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SOMAPLEX™ REVERSE PHASE PROTEIN MICROARRAY

HUMAN STOMACH TUMOR & NORMAL TISSUE

60 CLINICAL CASES

SINGLE PROTEIN CONCENTRATION QUALITATIVE ASSAY

PRODUCT NUMBER: PMA8-001-L

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SomaPlex™ Reverse Phase Protein Microarray
Human Stomach Tumor & Normal Tissue

60 Clinical Cases; Single Protein Concentration Qualitative Assay
Product Number: PMA8-001-L

SomaPlex™ Protein Microarrays are designed for rapidly profiling protein expression in normal and tumor tissue lysates obtained from a large group of human patients. Protein expression can be determined using an antibody directed against the specific protein target, but the use of other protein-specific probes is possible under the proper assay conditions for the probe. Visualization of antibody binding may be accomplished using a number of detection systems including color development, enhanced chemiluminescence (ECL) and fluorescence. The image is subsequently captured, processed and manipulated using commercially available high resolution scanners or CCD-equipped instruments and software. Each lysate is spotted at a single concentration (1.0 mg/ml) in RIPA buffer that permits most soluble proteins to retain their native, or non-denatured, structure and activity in many cases.

There is an increasing demand for technologies that enable the high throughput screening of multiple protein targets from multiple clinical specimens. The ability to identify multiple proteins in multiple patient tissue lysates has broad applications in biological and biomedical research. The protein microarray platform is ideally suited to discovering and screening known and novel protein biomarkers. SomaPlex™ Cancer Tissue Lysate Protein Microarrays will ultimately prove to be valuable tools in the field of cancer proteomics and biomarker research.

Significant features of the SomaPlex™ Cancer Tissue Lysate Protein Microarrays are:

- Standard microarray slide format with single well
- Small incubation volume (600 ul)
- Rapid assay times (~4-5 hours using primary and labeled secondary antibodies)
- Large number of patient samples/assay
- Lysate spots are derived from high quality clinical specimens with detailed histopathology and;
- Individual lysates are available for additional, more thorough analysis
- Multiplex capabilities depending on probe choice
- Optimized microarray buffers and secondary antibodies reduce or eliminate background staining

General features of the SomaPlex™ Cancer Tissue Lysate Protein Microarrays:

- Tissue lysates are spotted in triplicate at a protein concentration of 1.0 mg/ml. Each spot contains [~5.0 ng] of total protein. A number of positive (two concentrations of IgG from several species) and negative (BSA; Lysis Buffer Only) controls are spotted in triplicate within each tissue lysate grid. Each array has a number of common cell line and normal tissue lysate controls arrayed in triplicate (see accompanying Table).
- Specially prepared nitrocellulose protein microarray sides are sensitive – wear non-latex, powder-free gloves when handling, do not touch the surface.
- Slides are recommended for single use only due to the possibility of excessive background developing and false positive/negative signals.

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Components	Product Number
SomaPlex™ Cancer Tissue Lysate Protein Microarray Slides	PMA8-001-L
ZeptoSeal™ Reusable Incubation Chamber	PBT-9100
ZeptoBlock™ Microarray Blocking Buffer	PBT-9001

PROTEIN BIOTECHNOLOGIES SOMAPLEX™ REVERSE PHASE PROTEIN MICROARRAYS

Instructions for Using Antibody Probes

Caution: Please read notes (**) below before proceeding and handle microarray slides carefully. Wear powder-free non-latex gloves. Touching or scratching the special nitrocellulose coating on the glass slide could damage the microarray and result in loss of printed proteins.

Step 1. (**Do not allow the slide coating to dry out at any step during processing, as this will lead to an increase in background signal and loss of sensitivity). Wash slides in distilled H_20 to wet the nitrocellulose membrane

Step 2. (**Avoid using phosphate-containing buffers in cases where phospho-specific antibodies will be used. TBS buffer is a suitable substitute). Rinse the slides in 1X PBS or TBS-Tween 20 (0.1%) two times, 5 minutes each at room temperature.

Step 3. (**Zeptoblock™ Protein Microarray Blocking Buffer is formulated with fish protein, BSA and casein to inhibit non-specific protein binding. Non-fat dry milk, which contains varying amounts of biotin and will interfere with avidin/biotin based conjugate and detection systems and should not be used). Block the slide using ZeptoBlock™ Protein Microarray Blocking Buffer and a ZeptoSeal™ incubation chamber (cap. 800 ul) for 1-2 hours at room temperature. Alternatively, slides may be blocked overnight at 4 degrees C. Invert chamber on lab bench, pipette blocking reagent into chamber, place bottom edge of tilted slide membrane side down until liquid is contacted, lower slide onto chamber carefully to avoid bubbles. Edges of chamber and slide should be even with no overhanging regions. Alternatively, slide can be placed in any suitable container so that it remains submerged and wet during incubation steps.

Step 4. Dilute primary antibody with ZeptoBlock™, PBS or TBS/Tween 20 (0.01%) to the manufacturer's recommended concentration for Western blotting applications based on the sensitivity of your detection system. Incubate for the recommended time (e.g. 1-2 hours at room temperature; overnight at 4 degrees C, etc.).

Step 5. (**Tween 20 detergent has the potential to dissociate low affinity primary antibodies from their epitopes, thus shorter wash times should be used if this is the case or use wash buffers without Tween 20). Remove incubation chamber and wash slide six times for 3-5 minutes each at room temperature with PBS or TBS/Tween 20 (0.01%). Thoroughly wash incubation chamber.

Step 6. Repeat ZeptoSeal™ incubation chamber set up steps and incubate with appropriate secondary antibody diluted in PBS or TBS/Tween 20 (0.01%) at the recommended concentration for 1-2 hours at room temperature or overnight at 4 degrees C.

Step 7. Repeat wash steps as described in step 5.

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Step 8. (**Overdeveloping may increase background signal intensity and reduce the dynamic range and sensitivity of the assay). Develop slides using appropriate reagents for the secondary antibody used (e.g. color development with TMB, luminescence with ECL reagents, fluorescence with fluorochrome tagged probes, etc.)

Step 9. Image capture may be accomplished by directly scanning the slide on a high resolution desktop scanner, or using instrumentation systems employing CCD cameras and software for further manipulation and data analysis.

**For probing protein microarrays with probes other than antibodies (e.g. labeled peptides, proteins, nucleic acids, drugs/ligands, etc.), it will be necessary to empirically determine optimal procedures and reagents for blocking, incubation, washing, and imaging for each scenario.

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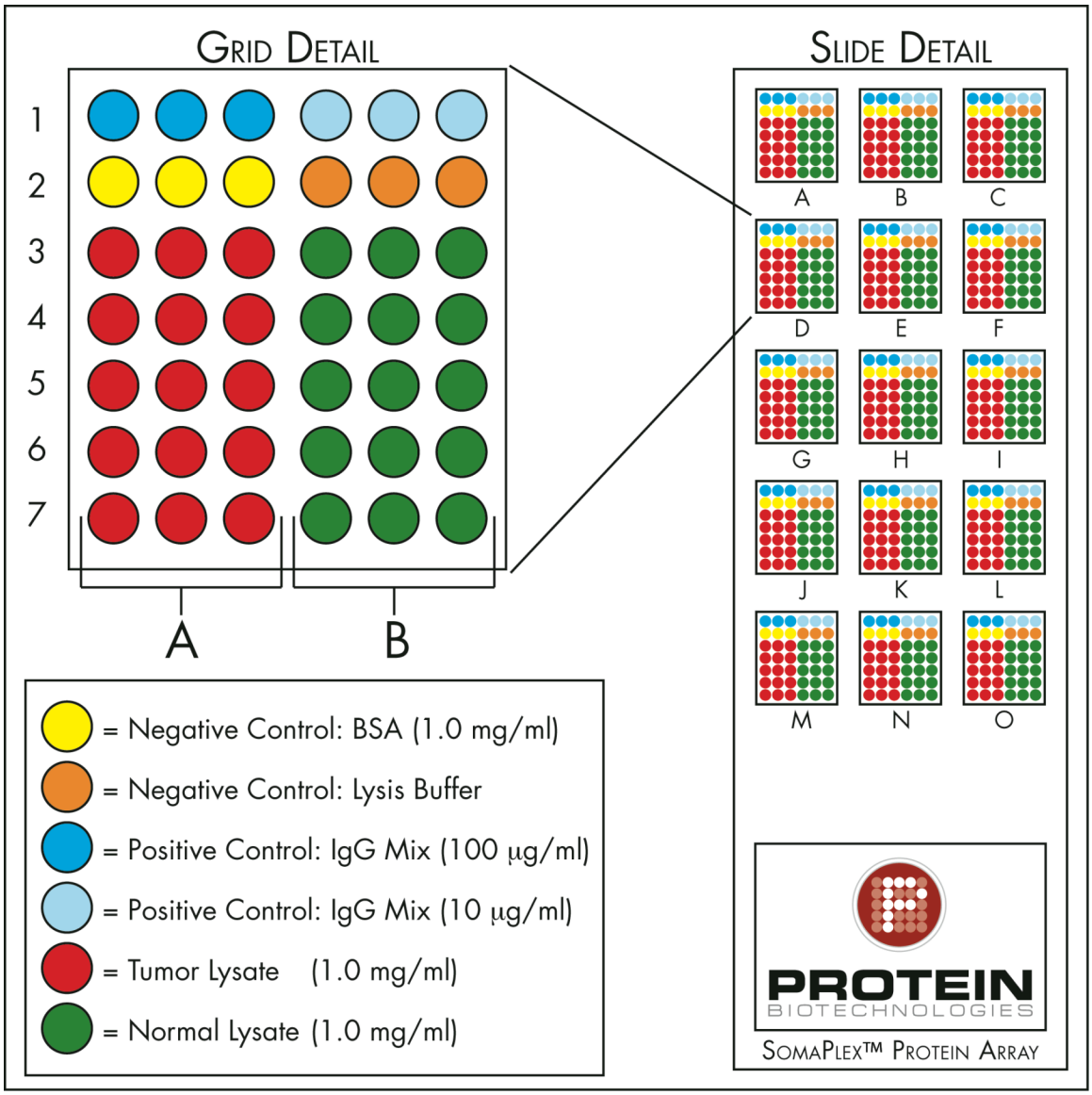
SomaPlex™ Stomach Cancer Tissue Lysate Protein Microarray
Product Number: PMA8-001-L



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Grid A

A1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 100 μg/ml, 3 replicates	IgG 100 μg/ml	IgG 100 μg/ml	IgG 100 μg/ml	B1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 10 μg/ml, 3 replicates	IgG 10 μg/ml	IgG 10 μg/ml	IgG 10 μg/ml
A2	Negative Control, BSA only, 1 mg/ml, 3 replicates	BSA 1 mg/ml	BSA 1 mg/ml	BSA 1 mg/ml	B2	Negative Control, buffer only, 3 replicates	Lysate buffer	Lysate buffer	Lysate buffer
A3	Adenocarcinoma Grade 3 Stage II $T_3N_0M_0$ Male Age 52 1 mg/ml, 3 replicates, Cat. No. T8-003-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B3	Matched adjacent normal tissue for A3 1 mg/ml, 3 replicates, Cat. No. T8-003-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A4	Adenocarcinoma Grade 3 Stage II TNM n/a Male Age 47 1 mg/ml, 3 replicates, Cat. No. T8-021-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B4	Matched adjacent normal tissue for A4 1 mg/ml, 3 replicates, Cat. No. T8-021-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A5	Adenocarcinoma Grade 3 Stage IIIa $T_3N_1M_0$ Female Age 35 1 mg/ml, 3 replicates, Cat. No. T8-034-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B5	Matched adjacent normal tissue for A5 1 mg/ml, 3 replicates, Cat. No. T8-034-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A6	Adenocarcinoma Grade 3 Stage n/a TNM n/a Male Age 68 1 mg/ml, 3 replicates, Cat. No. T8-052-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B6	Matched adjacent normal tissue for A6 1 mg/ml, 3 replicates, Cat. No. T8-052-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A7	Adenocarcinoma Grade 3 Stage II $T_2N_0M_x$ Male Age 50 1 mg/ml, 3 replicates, Cat. No. T8-053-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B7	Matched adjacent normal tissue for A7 1 mg/ml, 3 replicates, Cat. No. T8-053-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml

Grid B

A1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 100 μg/ml, 3 replicates	IgG 100 μg/ml	IgG 100 μg/ml	IgG 100 μg/ml	B1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 10 μg/ml, 3 replicates	IgG 10 μg/ml	IgG 10 μg/ml	IgG 10 μg/ml
A2	Negative Control, BSA only, 1 mg/ml, 3 replicates	BSA 1 mg/ml	BSA 1 mg/ml	BSA 1 mg/ml	B2	Negative Control, buffer only, 3 replicates	Lysate buffer	Lysate buffer	Lysate buffer
A3	Adenocarcinoma Grade 2 Stage III $T_2N_0M_x$ Male Age 72 1 mg/ml, 3 replicates, Cat. No. T8-004-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B3	Matched adjacent normal tissue for A3 1 mg/ml, 3 replicates, Cat. No. T8-004-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A4	Adenocarcinoma Grade 2 Stage Ib $T_2N_0M_0$ Male Age 65 1 mg/ml, 3 replicates, Cat. No. T8-020-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B4	Matched adjacent normal tissue for A4 1 mg/ml, 3 replicates, Cat. No. T8-020-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A5	Adenocarcinoma Grade 2 Stage n/a $T_3N_2M_x$ Female Age 52 1 mg/ml, 3 replicates, Cat. No. T8-026-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B5	Matched adjacent normal tissue for A5 1 mg/ml, 3 replicates, Cat. No. T8-026-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A6	Adenocarcinoma Grade 2 Stage n/a TNM n/a Male Age 64 1 mg/ml, 3 replicates, Cat. No. T8-060-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B6	Matched adjacent normal tissue for A6 1 mg/ml, 3 replicates, Cat. No. T8-060-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A7	Adenocarcinoma Grade 2 Stage Ib $T_{2a}N_0M_x$ Female Age 57 1 mg/ml, 3 replicates, Cat. No. T8-063-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B7	Matched adjacent normal tissue for A7 1 mg/ml, 3 replicates, Cat. No. T8-063-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml

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Grid C

A1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 100 μg/ml, 3 replicates	IgG 100 μg/ml	IgG 100 μg/ml	IgG 100 μg/ml	B1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 10 μg/ml, 3 replicates	IgG 10 μg/ml	IgG 10 μg/ml	IgG 10 μg/ml
A2	Negative Control, BSA only, 1 mg/ml, 3 replicates	BSA 1 mg/ml	BSA 1 mg/ml	BSA 1 mg/ml	B2	Negative Control, buffer only, 3 replicates	Lysate buffer	Lysate buffer	Lysate buffer
A3	Adenocarcinoma Grade n/a Stage n/a $T_2N_0M_0$ Male Age 45 1 mg/ml, 3 replicates, Cat. No. T8-005-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B3	Matched adjacent normal tissue for A3 1 mg/ml, 3 replicates, Cat. No. T8-005-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A4	Adenocarcinoma Grade n/a Stage n/a TNM n/a Male Age 45 1 mg/ml, 3 replicates, Cat. No. T8-008-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B4	Matched adjacent normal tissue for A4 1 mg/ml, 3 replicates, Cat. No. T8-008-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A5	Adenocarcinoma Grade n/a Stage II $T_3N_0M_0$ Male Age 52 1 mg/ml, 3 replicates, Cat. No. T8-009-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B5	Matched adjacent normal tissue for A5 1 mg/ml, 3 replicates, Cat. No. T8-009-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A6	Adenocarcinoma Grade n/a Stage II $T_2N_0M_0$ Female Age 45 1 mg/ml, 3 replicates, Cat. No. T8-010-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B6	Matched adjacent normal tissue for A6 1 mg/ml, 3 replicates, Cat. No. T8-010-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A7	Adenocarcinoma Grade n/a Stage IIIa $T_3N_1M_0$ Male Age 53 1 mg/ml, 3 replicates, Cat. No. T8-011-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B7	Matched adjacent normal tissue for A7 1 mg/ml, 3 replicates, Cat. No. T8-011-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml

Grid D

A1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 100 μg/ml, 3 replicates	IgG 100 μg/ml	IgG 100 μg/ml	IgG 100 μg/ml	B1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 10 μg/ml, 3 replicates	IgG 10 μg/ml	IgG 10 μg/ml	IgG 10 μg/ml
A2	Negative Control, BSA only, 1 mg/ml, 3 replicates	BSA 1 mg/ml	BSA 1 mg/ml	BSA 1 mg/ml	B2	Negative Control, buffer only, 3 replicates	Lysate buffer	Lysate buffer	Lysate buffer
A3	Adenocarcinoma Grade n/a Stage n/a TNM n/a Male Age 74 1 mg/ml, 3 replicates, Cat. No. T8-012-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B3	Matched adjacent normal tissue for A3 1 mg/ml, 3 replicates, Cat. No. T8-012-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A4	Adenocarcinoma Grade n/a Stage IIIa $T_3N_1M_0$ Male Age 54 1 mg/ml, 3 replicates, Cat. No. T8-062-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B4	Matched adjacent normal tissue for A4 1 mg/ml, 3 replicates, Cat. No. T8-062-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A5	Adenocarcinoma Grade n/a Stage IIIa $T_3N_1M_0$ Male Age 54 1 mg/ml, 3 replicates, Cat. No. T8-016-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B5	Matched adjacent normal tissue for A5 1 mg/ml, 3 replicates, Cat. No. T8-016-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A6	Adenocarcinoma Grade n/a Stage IIIa $T_3N_1M_0$ Female Age 53 1 mg/ml, 3 replicates, Cat. No. T8-017-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B6	Matched adjacent normal tissue for A6 1 mg/ml, 3 replicates, Cat. No. T8-017-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A7	Adenocarcinoma Grade n/a Stage IIIa $T_3N_1M_0$ Male Age 48 1 mg/ml, 3 replicates, Cat. No. T8-019-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B7	Matched adjacent normal tissue for A7 1 mg/ml, 3 replicates, Cat. No. T8-019-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml

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Grid E

A1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 100 μg/ml, 3 replicates	IgG 100 μg/ml	IgG 100 μg/ml	IgG 100 μg/ml	B1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 10 μg/ml, 3 replicates	IgG 10 μg/ml	IgG 10 μg/ml	IgG 10 μg/ml
A2	Negative Control, BSA only, 1 mg/ml, 3 replicates	BSA 1 mg/ml	BSA 1 mg/ml	BSA 1 mg/ml	B2	Negative Control, buffer only, 3 replicates	Lysate buffer	Lysate buffer	Lysate buffer
A3	Adenocarcinoma Grade n/a Stage IIIa $T_3N_1M_0$ Male Age 66 1 mg/ml, 3 replicates, Cat. No. T8-022-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B3	Matched adjacent normal tissue for A3 1 mg/ml, 3 replicates, Cat. No. T8-022-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A4	Adenocarcinoma Grade n/a Stage II $T_3N_0M_0$ Male Age 43 1 mg/ml, 3 replicates, Cat. No. T8-023-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B4	Matched adjacent normal tissue for A4 1 mg/ml, 3 replicates, Cat. No. T8-023-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A5	Adenocarcinoma Grade n/a Stage IIIa $T_3N_1M_0$ Male Age 63 1 mg/ml, 3 replicates, Cat. No. T8-024-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B5	Matched adjacent normal tissue for A5 1 mg/ml, 3 replicates, Cat. No. T8-024-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A6	Adenocarcinoma Grade n/a Stage n/a $T_3N_1M_0$ Male Age 53 1 mg/ml, 3 replicates, Cat. No. T8-025-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B6	Matched adjacent normal tissue for A6 1 mg/ml, 3 replicates, Cat. No. T8-025-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A7	Adenocarcinoma Grade n/a Stage n/a TNM n/a Male Age 47 1 mg/ml, 3 replicates, Cat. No. T8-028-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B7	Matched adjacent normal tissue for A7 1 mg/ml, 3 replicates, Cat. No. T8-028-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml

Grid F

A1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 100 μg/ml, 3 replicates	IgG 100 μg/ml	IgG 100 μg/ml	IgG 100 μg/ml	B1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 10 μg/ml, 3 replicates	IgG 10 μg/ml	IgG 10 μg/ml	IgG 10 μg/ml
A2	Negative Control, BSA only, 1 mg/ml, 3 replicates	BSA 1 mg/ml	BSA 1 mg/ml	BSA 1 mg/ml	B2	Negative Control, buffer only, 3 replicates	Lysate buffer	Lysate buffer	Lysate buffer
A3	Adenocarcinoma Grade n/a Stage n/a TNM n/a Female Age 48 1 mg/ml, 3 replicates, Cat. No. T8-034-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B3	Matched adjacent normal tissue for A3 1 mg/ml, 3 replicates, Cat. No. T8-034-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A4	Adenocarcinoma Grade n/a Stage n/a TNM n/a Female Age 76 1 mg/ml, 3 replicates, Cat. No. T8-035-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B4	Matched adjacent normal tissue for A4 1 mg/ml, 3 replicates, Cat. No. T8-035-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A5	Adenocarcinoma Grade n/a Stage n/a TNM n/a Female Age 54 1 mg/ml, 3 replicates, Cat. No. T8-036-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B5	Matched adjacent normal tissue for A5 1 mg/ml, 3 replicates, Cat. No. T8-036-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A6	Adenocarcinoma Grade n/a Stage II $T_3N_0M_0$ Female Age 58 1 mg/ml, 3 replicates, Cat. No. T8-037-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B6	Matched adjacent normal tissue for A6 1 mg/ml, 3 replicates, Cat. No. T8-037-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A7	Adenocarcinoma Grade n/a Stage III $T_3N_1M_0$ Female Age 46 1 mg/ml, 3 replicates, Cat. No. T8-038-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B7	Matched adjacent normal tissue for A7 1 mg/ml, 3 replicates, Cat. No. T8-038-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml

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Grid G

A1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 100 μg/ml, 3 replicates	IgG 100 μg/ml	IgG 100 μg/ml	IgG 100 μg/ml	B1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 10 μg/ml, 3 replicates	IgG 10 μg/ml	IgG 10 μg/ml	IgG 10 μg/ml
A2	Negative Control, BSA only, 1 mg/ml, 3 replicates	BSA 1 mg/ml	BSA 1 mg/ml	BSA 1 mg/ml	B2	Negative Control, buffer only, 3 replicates	Lysate buffer	Lysate buffer	Lysate buffer
A3	Adenocarcinoma Grade n/a Stage III $T_3N_1M_0$ Male Age 71 1 mg/ml, 3 replicates, Cat. No. T8-039-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B3	Matched adjacent normal tissue for A3 1 mg/ml, 3 replicates, Cat. No. T8-039-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A4	Adenocarcinoma Grade n/a Stage II $T_3N_0M_0$ Male Age 65 1 mg/ml, 3 replicates, Cat. No. T8-040-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B4	Matched adjacent normal tissue for A4 1 mg/ml, 3 replicates, Cat. No. T8-040-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A5	Adenocarcinoma Grade n/a Stage n/a TNM n/a Female Age 45 1 mg/ml, 3 replicates, Cat. No. T8-041-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B5	Matched adjacent normal tissue for A5 1 mg/ml, 3 replicates, Cat. No. T8-041-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A6	Adenocarcinoma Grade n/a Stage n/a TNM n/a Female Age 38 1 mg/ml, 3 replicates, Cat. No. T8-042-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B6	Matched adjacent normal tissue for A6 1 mg/ml, 3 replicates, Cat. No. T8-042-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A7	Adenocarcinoma Grade n/a Stage n/a TNM n/a Female Age 60 1 mg/ml, 3 replicates, Cat. No. T8-043-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B7	Matched adjacent normal tissue for A7 1 mg/ml, 3 replicates, Cat. No. T8-043-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml

Grid H

A1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 100 μg/ml, 3 replicates	IgG 100 μg/ml	IgG 100 μg/ml	IgG 100 μg/ml	B1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 10 μg/ml, 3 replicates	IgG 10 μg/ml	IgG 10 μg/ml	IgG 10 μg/ml
A2	Negative Control, BSA only, 1 mg/ml, 3 replicates	BSA 1 mg/ml	BSA 1 mg/ml	BSA 1 mg/ml	B2	Negative Control, buffer only, 3 replicates	Lysate buffer	Lysate buffer	Lysate buffer
A3	Adenocarcinoma Grade n/a Stage n/a $T_3N_1M_0$ Female Age 74 1 mg/ml, 3 replicates, Cat. No. T8-044-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B3	Matched adjacent normal tissue for A3 1 mg/ml, 3 replicates, Cat. No. T8-044-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A4	Adenocarcinoma Grade n/a Stage n/a $T_3N_0M_0$ Male Age 69 1 mg/ml, 3 replicates, Cat. No. T8-045-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B4	Matched adjacent normal tissue for A4 1 mg/ml, 3 replicates, Cat. No. T8-045-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A5	Adenocarcinoma Grade n/a Stage n/a $T_2N_0M_0$ Male Age 64 1 mg/ml, 3 replicates, Cat. No. T8-046-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B5	Matched adjacent normal tissue for A5 1 mg/ml, 3 replicates, Cat. No. T8-046-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A6	Adenocarcinoma Grade n/a Stage II $T_2N_0M_0$ Female Age 41 1 mg/ml, 3 replicates, Cat. No. T8-048-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B6	Matched adjacent normal tissue for A6 1 mg/ml, 3 replicates, Cat. No. T8-048-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A7	Adenocarcinoma Grade n/a Stage IIIa $T_3N_1M_0$ Female Age 44 1 mg/ml, 3 replicates, Cat. No. T8-049-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B7	Matched adjacent normal tissue for A7 1 mg/ml, 3 replicates, Cat. No. T8-049-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml

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Grid I

A1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 100 μg/ml, 3 replicates	IgG 100 μg/ml	IgG 100 μg/ml	IgG 100 μg/ml	B1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 10 μg/ml, 3 replicates	IgG 10 μg/ml	IgG 10 μg/ml	IgG 10 μg/ml
A2	Negative Control, BSA only, 1 mg/ml, 3 replicates	BSA 1 mg/ml	BSA 1 mg/ml	BSA 1 mg/ml	B2	Negative Control, buffer only, 3 replicates	Lysate buffer	Lysate buffer	Lysate buffer
A3	Adenocarcinoma Grade n/a Stage II $T_3N_0M_0$ Male Age 57 1 mg/ml, 3 replicates, Cat. No. T8-061-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B3	Matched adjacent normal tissue for A3 1 mg/ml, 3 replicates, Cat. No. T8-061-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A4	Adenocarcinoma Grade n/a Stage IIIa $T_3N_1M_0$ Female Age 42 1 mg/ml, 3 replicates, Cat. No. T8-051-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B4	Matched adjacent normal tissue for A4 1 mg/ml, 3 replicates, Cat. No. T8-051-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A5	Adenocarcinoma Grade n/a Stage II TNM n/a Male Age 52 1 mg/ml, 3 replicates, Cat. No. T8-056-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B5	Matched adjacent normal tissue for A5 1 mg/ml, 3 replicates, Cat. No. T8-056-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A6	Adenocarcinoma Grade n/a Stage II TNM n/a Male Age 75 1 mg/ml, 3 replicates, Cat. No. T8-057-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B6	Matched adjacent normal tissue for A6 1 mg/ml, 3 replicates, Cat. No. T8-057-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A7	Adenocarcinoma Grade n/a Stage II TNM n/a Male Age 66 1 mg/ml, 3 replicates, Cat. No. T8-058-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B7	Matched adjacent normal tissue for A7 1 mg/ml, 3 replicates, Cat. No. T8-058-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml

Grid J

A1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 100 μg/ml, 3 replicates	IgG 100 μg/ml	IgG 100 μg/ml	IgG 100 μg/ml	B1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 10 μg/ml, 3 replicates	IgG 10 μg/ml	IgG 10 μg/ml	IgG 10 μg/ml
A2	Negative Control, BSA only, 1 mg/ml, 3 replicates	BSA 1 mg/ml	BSA 1 mg/ml	BSA 1 mg/ml	B2	Negative Control, buffer only, 3 replicates	Lysate buffer	Lysate buffer	Lysate buffer
A3	Infiltrating Carcinoma Grade 3 Stage Ib $T_2N_0M_0$ Male Age 41 1 mg/ml, 3 replicates, Cat. No. T8-064-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B3	Matched adjacent normal tissue for A3 1 mg/ml, 3 replicates, Cat. No. T8-064-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A4	Infiltrating Carcinoma Grade n/a Stage n/a TNM n/a Male Age 42 1 mg/ml, 3 replicates, Cat. No. T8-013-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B4	Matched adjacent normal tissue for A4 1 mg/ml, 3 replicates, Cat. No. T8-013-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A5	Infiltrating Carcinoma Grade n/a Stage n/a TNM n/a Male Age 75 1 mg/ml, 3 replicates, Cat. No. T8-014-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B5	Matched adjacent normal tissue for A5 1 mg/ml, 3 replicates, Cat. No. T8-014-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A6	Infiltrating Carcinoma Grade n/a Stage n/a TNM n/a Male Age 45 1 mg/ml, 3 replicates, Cat. No. T8-027-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B6	Matched adjacent normal tissue for A6 1 mg/ml, 3 replicates, Cat. No. T8-027-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A7	Infiltrating Carcinoma Grade n/a Stage n/a TNM n/a Female Age 50 1 mg/ml, 3 replicates, Cat. No. T8-032-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B7	Matched adjacent normal tissue for A7 1 mg/ml, 3 replicates, Cat. No. T8-032-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml

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Grid K

A1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 100 μg/ml, 3 replicates	IgG 100 μg/ml	IgG 100 μg/ml	IgG 100 μg/ml	B1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 10 μg/ml, 3 replicates	IgG 10 μg/ml	IgG 10 μg/ml	IgG 10 μg/ml
A2	Negative Control, BSA only, 1 mg/ml, 3 replicates	BSA 1 mg/ml	BSA 1 mg/ml	BSA 1 mg/ml	B2	Negative Control, buffer only, 3 replicates	Lysate buffer	Lysate buffer	Lysate buffer
A3	Signet-ring Cell Carcinoma Grade n/a Stage II $T_3N_0M_0$ Male Age 43 1 mg/ml, 3 replicates, Cat. No. T8-054-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B3	Matched adjacent normal tissue for A3 1 mg/ml, 3 replicates, Cat. No. T8-054-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A4	Signet-ring Cell Carcinoma Grade n/a Stage IIIa $T_3N_1M_0$ Male Age 65 1 mg/ml, 3 replicates, Cat. No. T8-030-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B4	Matched adjacent normal tissue for A4 1 mg/ml, 3 replicates, Cat. No. T8-030-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A5	Signet-ring Cell Carcinoma Grade n/a Stage Ib $T_2N_0M_0$ Male Age 44 1 mg/ml, 3 replicates, Cat. No. T8-018-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B5	Matched adjacent normal tissue for A5 1 mg/ml, 3 replicates, Cat. No. T8-018-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A6	Signet-ring Cell Carcinoma Grade n/a Stage III $T_4N_1M_0$ Female Age 37 1 mg/ml, 3 replicates, Cat. No. T8-002-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B6	Matched adjacent normal tissue for A6 1 mg/ml, 3 replicates, Cat. No. T8-002-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A7	Fungating Carcinoma Grade n/a Stage n/a TNM n/a Male Age 62 1 mg/ml, 3 replicates, Cat. No. T8-001-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B7	Matched adjacent normal tissue for A7 1 mg/ml, 3 replicates, Cat. No. T8-001-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml

Grid L

A1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 100 μg/ml, 3 replicates	IgG 100 μg/ml	IgG 100 μg/ml	IgG 100 μg/ml	B1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 10 μg/ml, 3 replicates	IgG 10 μg/ml	IgG 10 μg/ml	IgG 10 μg/ml
A2	Negative Control, BSA only, 1 mg/ml, 3 replicates	BSA 1 mg/ml	BSA 1 mg/ml	BSA 1 mg/ml	B2	Negative Control, buffer only, 3 replicates	Lysate buffer	Lysate buffer	Lysate buffer
A3	Mucinous Adenocarcinoma Grade n/a Stage II TNM n/a Female Age 56 1 mg/ml, 3 replicates, Cat. No. T8-006-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B3	Matched adjacent normal tissue for A3 1 mg/ml, 3 replicates, Cat. No. T8-006-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A4	Mucinous Adenocarcinoma Grade n/a Stage n/a TNM n/a Female Age 45 1 mg/ml, 3 replicates, Cat. No. T8-007-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B4	Matched adjacent normal tissue for A4 1 mg/ml, 3 replicates, Cat. No. T8-007-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A5	Mucinous Adenocarcinoma Grade n/a Stage n/a $T_3N_0M_0$ Male Age 55 1 mg/ml, 3 replicates, Cat. No. T8-047-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B5	Matched adjacent normal tissue for A5 1 mg/ml, 3 replicates, Cat. No. T8-047-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A6	Mucinous Adenocarcinoma Grade n/a Stage II TNM n/a Male Age 39 1 mg/ml, 3 replicates, Cat. No. T8-055-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B6	Matched adjacent normal tissue for A6 1 mg/ml, 3 replicates, Cat. No. T8-055-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A7	Mucinous Adenocarcinoma Grade 2 Stage n/a TNM n/a Male Age 51 1 mg/ml, 3 replicates, Cat. No. T8-059-T-1	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B7	Matched adjacent normal tissue for A7 1 mg/ml, 3 replicates, Cat. No. T8-059-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml

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Grid M (Control grid 1)

A1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 100 µg/ml, 3 replicates	IgG 100 µg/ml	IgG 100 µg/ml	IgG 100 µg/ml	B1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 10 µg/ml, 3 replicates	IgG 10 µg/ml	IgG 10 µg/ml	IgG 10 µg/ml
A2	Negative Control, BSA only, 1 mg/ml, 3 replicates	BSA 1 mg/ml	BSA 1 mg/ml	BSA 1 mg/ml	B2	Negative Control, buffer only, 3 replicates	Lysate buffer	Lysate buffer	Lysate buffer
A3	Human Cell Line A549 Lung Carcinoma 1 mg/ml, 3 replicates, Cat. No. CL-01	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B3	Normal Human Lung Tissue, Male, Age 42 1 mg/ml, 3 replicates, Cat. No. T1-001-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A4	Human Cell Line MCF7 Breast Carcinoma 1 mg/ml, 3 replicates, Cat. No. CL-04	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B4	Normal Human Breast Tissue, Female, Age 36 1 mg/ml, 3 replicates, Cat. No. T2-002-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A5	Human Cell Line PC3 Prostate Adenocarcinoma 1 mg/ml, 3 replicates, Cat. No. CL-05	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B5	Normal Human Prostate Tissue, Male, Age 40 1 mg/ml, 3 replicates, Cat. No. T3-005-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A6	Human Cell Line HeLa Cervix Carcinoma 1 mg/ml, 3 replicates, Cat. No. CL-02	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B6	Normal Human Cervix Tissue, Female, Age 21 1 mg/ml, 3 replicates, Cat. No. T4-001-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A7	Human Cell Line OVCAR-3 Ovarian Adenocarcinoma 1 mg/ml, 3 replicates, Cat. No. CL-16	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B7	Normal Human Ovary Tissue, Female, Age 32 1 mg/ml, 3 replicates, Cat. No. T5-010-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml

Grid N (Control grid 2)

A1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 100 µg/ml, 3 replicates	IgG 100 µg/ml	IgG 100 µg/ml	IgG 100 µg/ml	B1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 10 µg/ml, 3 replicates	IgG 10 µg/ml	IgG 10 µg/ml	IgG 10 µg/ml
A2	Negative Control, BSA only, 1 mg/ml, 3 replicates	BSA 1 mg/ml	BSA 1 mg/ml	BSA 1 mg/ml	B2	Negative Control, buffer only, 3 replicates	Lysate buffer	Lysate buffer	Lysate buffer
A3	Human Cell Line CRL-1976 Uterine Sarcoma 1 mg/ml, 3 replicates, Cat. No. CL-23	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B3	Normal Human Uterus Tissue, Female, Age 30 1 mg/ml, 3 replicates, Cat. No. T6-007-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A4	Human Cell Line HT-29 Colon Adenocarcinoma 1 mg/ml, 3 replicates, Cat. No. CL-08	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B4	Normal Human Colon Tissue, Female, Age 38 1 mg/ml, 3 replicates, Cat. No. T7-032-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A5	Human Cell Line AGS Stomach Adenocarcinoma 1 mg/ml, 3 replicates, Cat. No. CL-29	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B5	Normal Human Stomach Tissue, Male, Age 43 1 mg/ml, 3 replicates, Cat. No. T8-023-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A6	Human Cell Line Hep G2 Liver Carcinoma 1 mg/ml, 3 replicates, Cat. No. CL-06	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B6	Normal Human Liver Tissue, Male, Age 32 1 mg/ml, 3 replicates, Cat. No. T9-011-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A7	Human Cell Line T24 Bladder Carcinoma 1 mg/ml, 3 replicates, Cat. No. CL-20	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B7	Normal Human Bladder Tissue, Female, Age 45 1 mg/ml, 3 replicates, Cat. No. T10-008-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml

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Grid O (Control grid 3)

A1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 100 μg/ml, 3 replicates	IgG 100 μg/ml	IgG 100 μg/ml	IgG 100 μg/ml	B1	Positive Control, chicken, goat, mouse, and rabbit IgG mix, 10 μg/ml, 3 replicates	IgG 10 μg/ml	IgG 10 μg/ml	IgG 10 μg/ml
A2	Negative Control, BSA only, 1 mg/ml, 3 replicates	BSA 1 mg/ml	BSA 1 mg/ml	BSA 1 mg/ml	B2	Negative Control, buffer only, 3 replicates	Lysate buffer	Lysate buffer	Lysate buffer
A3	Human Cell Line 786-0 Kidney Adenoarcinoma 1 mg/ml, 3 replicates, Cat. No. CL-22	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B3	Normal Human Kidney Tissue, Male, Age 37 1 mg/ml, 3 replicates, Cat. No. T11-023-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A4	Human Cell Line Jurkat Lymphoma/Leukemia 1 mg/ml, 3 replicates, Cat. No. CL-03	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B4	Normal Human Larynx Tissue, Female, Age 62 1 mg/ml, 3 replicates, Cat. No. T13-007-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A5	Human Cell Line A431 Epidermoid Carcinoma 1 mg/ml, 3 replicates, Cat. No. CL-09	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B5	Normal Human Skin Tissue, Female, Age 38 1 mg/ml, 3 replicates, Cat. No. T15-008-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A6	Human Cell Line Raji Burkitt Lymphoma 1 mg/ml, 3 replicates, Cat. No. CL-15	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B6	Normal Human Thyroid Tissue, Male, Age 21 1 mg/ml, 3 replicates, Cat. No. T16-021-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml
A7	Human Cell Line THP-1 Monocytic Leukemia 1 mg/ml, 3 replicates, Cat. No. CL-21	Tumor 1 mg/ml	Tumor 1 mg/ml	Tumor 1 mg/ml	B7	Normal Human Bone Marrow Tissue, Male, Age 37 1 mg/ml, 3 replicates, Cat. No. T18-024-N-1	Normal 1 mg/ml	Normal 1 mg/ml	Normal 1 mg/ml

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