



PROTEIN
BIOTECHNOLOGIES

FDA NORMAL HUMAN ORGAN TISSUE ARRAY

Catalog Number: TMA-075 (2 Slides; A and B)

24 types of normal organs and malignant tumors organs, single core format, suitable for testing tissue specificity of antibodies.

Cases: 72 **Cores:** 72 **Diameter:** 1.5mm **Thickness:** 5 µm **Standard IHC:** Anti-Vimentin (Vim)confirmed

SLIDE A

Layout: 8 x 9

	1	2	3	4	5	6	7	8	9
A	1	2	3	4	5	6	7	8	9
B	10	11	12	13	14	15	16	17	18
C	19	20	21	22	23	24	25	26	27
D	28	29	30	31	32	33	34	35	36
E	37	38	39	40	41	42	43	44	45
F	46	47	48	49	50	51	52	53	54
G	55	56	57	58	59	60	61	62	63
H	64	65	66	67	68	69	70	71	72

Core No.	Location	Tissue	Diagnosis	Grade	Sex	Age
01	A1	Cerebrum	Cerebral gray matter	-	F	2
02	A2	Cerebrum	Cerebral white matter	-	F	50
03	A3	Cerebrum	Cerebral white matter	-	F	42
04	A4	Cerebellum	Cerebellum tissue	-	F	24
05	A5	Cerebellum	Cerebellum tissue	-	F	58
06	A6	Cerebellum	Cerebellum tissue	-	F	8
07	A7	Adrenal gland	Adrenal gland tissue	-	F	14
08	A8	Adrenal gland	Adrenal gland tissue	-	M	1 Mon.
09	A9	Adrenal gland	Adrenal gland tissue	-	M	5 Mon.
10	B1	Ovary	Ovary tissue	-	F	14
11	B2	Ovary	Ovary tissue	-	F	20
12	B3	Ovary	Ovary tissue	-	F	21
13	B4	Pancreas	Pancreas tissue	-	F	14
14	B5	Pancreas	Pancreas tissue	-	F	2
15	B6	Pancreas	Pancreas tissue	-	F	52
16	B7	Parathyroid gland	Thyroid gland tissue	-	M	43
17	B8	Parathyroid gland	Thyroid gland tissue	-	F	22
18	B9	Parathyroid gland	Parathyroid gland tissue	-	M	45
19	C1	Hypophysis	Hypophysis tissue	-	F	15
20	C2	Hypophysis	Hypophysis tissue	-	M	20
21	C3	Hypophysis	Hypophysis tissue	-	F	25
22	C4	Testis	Testis tissue	-	M	30
23	C5	Testis	Testis tissue	-	M	65
24	C6	Testis	Testis tissue	-	M	74
25	C7	Thyroid	Thyroid gland tissue	-	F	25
26	C8	Thyroid	Thyroid gland tissue	-	M	37
27	C9	Thyroid	Thyroid gland tissue	-	F	58
28	D1	Breast	Mammary gland tissue	-	F	50
29	D2	Breast	Mammary gland tissue	-	F	32
30	D3	Breast	Mammary gland tissue	-	F	33
31	D4	Spleen	Spleen tissue	-	F	2



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32	D5	Spleen	Spleen tissue	-	M	35
33	D6	Spleen	Spleen tissue	-	M	30
34	D7	Tonsil	Tonsil tissue	-	M	48
35	D8	Tonsil	Tonsil tissue	-	M	35
36	D9	Tonsil	Tonsil tissue	-	M	48
37	E1	Thymus gland	Thymus gland tissue	-	M	1 Mon.
38	E2	Thymus gland	Thymus gland tissue	-	F	2
39	E3	Thymus gland	Thymus gland tissue	-	M	1 Mon.
40	E4	Bone marrow	Bone marrow tissue	-	M	56
41	E5	Bone marrow	Bone marrow tissue	-	F	61
42	E6	Bone marrow	Bone marrow tissue	-	M	70
43	E7	Lung	Lung tissue	-	M	24
44	E8	Lung	Lung tissue	-	M	42
45	E9	Lung	Lung tissue	-	M	49
46	F1	Heart	Cardiac muscle tissue	-	M	56
47	F2	Heart	Cardiac muscle tissue	-	F	42
48	F3	Heart	Cardiac muscle tissue	-	F	35
49	F4	Esophagus	Esophagus tissue	-	M	32
50	F5	Esophagus	Fibrous tissue and smooth muscle	-	F	21
51	F6	Esophagus	Esophagus tissue	-	F	42
52	F7	Stomach	Gastric fundus tissue	-	M	48
53	F8	Stomach	Gastric fundus tissue	-	M	5 Mon.
54	F9	Stomach	Gastric fundus tissue	-	M	40
55	G1	Intestine	Small intestine tissue	-	M	40
56	G2	Intestine	Small intestine tissue	-	M	38
57	G3	Intestine	Small intestine tissue	-	M	49
58	G4	Colon	Colon tissue	-	M	62
59	G5	Colon	Colon tissue	-	F	42
60	G6	Colon	Colon tissue	-	M	35
61	G7	Liver	Liver tissue	-	F	14
62	G8	Liver	Liver tissue	-	F	35
63	G9	Liver	Liver tissue	-	M	35
64	H1	Salivary gland	Salivary gland tissue	-	M	50
65	H2	Salivary gland	Salivary gland tissue	-	M	77
66	H3	Salivary gland	Salivary gland tissue	-	M	28
67	H4	Kidney	Kidney tissue	-	F	14
68	H5	Kidney	Kidney tissue	-	M	48
69	H6	Kidney	Kidney tissue	-	F	38
70	H7	Prostate	Prostate tissue	-	M	27
71	H8	Prostate	Prostate tissue	-	M	25
72	H9	Prostate	Prostate tissue	-	M	36

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F	46	47	48	49	50	51	52	53	54
G	55	56	57	58	59	60	61	62	63
H	64	65	66	67	68	69	70	71	72

Core No.	Location	Organ	Pathology	Grade	Type †	Sex	Age
01	A1	Uterus	Endometrium	-	Normal	F	32
02	A2	Uterus	Endometrium	-	Normal	F	39
03	A3	Uterus	Endometrium	-	Normal	F	41
04	A4	Cervix, uterine	Cervix tissue	-	Normal	F	50
05	A5	Cervix, uterine	Cervix tissue	-	Normal	F	20
06	A6	Cervix, uterine	Cervix tissue	-	Normal	F	21
07	A7	Striated muscle	Skeletal muscle tissue	-	Normal	M	40
08	A8	Striated muscle	Skeletal muscle tissue	-	Normal	M	35
09	A9	Striated muscle	Skeletal muscle tissue	-	Normal	F	21
10	B1	Skin	Skin tissue	-	Normal	F	50
11	B2	Skin	Skin tissue	-	Normal	M	1 Mon.
12	B3	Skin	Skin tissue	-	Normal	F	50
13	B4	Nerve	Nerve tissue	-	Normal	M	22
14	B5	Nerve	Nerve tissue	-	Normal	M	35
15	B6	Nerve	Nerve tissue	-	Normal	F	62
16	B7	Mesothelium	Mesothelium and lung tissue	-	Normal	M	22
17	B8	Mesothelium	Mesothelium and lung tissue	-	Normal	M	35
18	B9	Mesothelium	Mesothelium and lung tissue	-	Normal	M	48
19	C1	Brain	Glioblastoma	-	Malignant	M	59
20	C2	Brain	Atypical meningioma	-	Malignant	F	65
21	C3	Brain	Malignant ependymoma	-	Malignant	F	15
22	C4	Brain	Malignant oligodendroglioma	-	Malignant	M	55
23	C5	Ovary	Serous papillary adenocarcinoma	II-III	Malignant	F	51
24	C6	Ovary	Mucous papillary adenocarcinoma	III	Malignant	F	29
25	C7	Pancreas	Islet cell carcinoma	-	Malignant	F	12
26	C8	Pancreas	Adenocarcinoma	III	Malignant	M	64
27	C9	Testis	Seminoma	-	Malignant	M	42
28	D1	Testis	Embryonal carcinoma	-	Malignant	M	30
29	D2	Thyroid	Medullary carcinoma	-	Malignant	F	33
30	D3	Thyroid	Papillary carcinoma	-	Malignant	F	16
31	D4	Breast	Intraductal carcinoma	-	Malignant	F	41
32	D5	Breast	Fibrofatty tissue	-	Malignant	F	50
33	D6	Breast	Nonspecific infiltrating duct carcinoma	III	Malignant	F	42
34	D7	Spleen	Diffuse type B-cell lymphoma	-	Malignant	M	21



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35	D8	Lung	Small cell undifferentiated carcinoma	IV	Malignant	M	40
36	D9	Lung	Squamous cell carcinoma	III	Malignant	M	72
37	E1	Lung	Adenocarcinoma	III	Malignant	M	49
38	E2	Esophagus	Squamous cell carcinoma	III	Malignant	F	48
39	E3	Esophagus	Adenocarcinoma	III	Malignant	F	67
40	E4	Stomach	Mucous adenocarcinoma	III	Malignant	F	73
41	E5	Intestine	Adenocarcinoma	II-III	Malignant	M	65
42	E6	Intestine	Moderate malignant mesenchymoma	-	Malignant	F	71
43	E7	Colon	Adenocarcinoma	III	Malignant	F	67
44	E8	Colon	Moderate malignant mesenchymoma	-	Malignant	M	54
45	E9	Rectum	Adenocarcinoma	III	Malignant	M	61
46	F1	Rectum	Moderate malignant mesenchymoma	-	Malignant	M	32
47	F2	Liver	Hepatocellular carcinoma	III	Malignant	M	47
48	F3	Liver	Hepatoblastoma	-	Malignant	F	17
49	F4	Kidney	Clear cell carcinoma	-	Malignant	M	54
50	F5	Prostate	Adenocarcinoma	4	Malignant	M	78
51	F6	Prostate	Transitional cell carcinoma	III	Malignant	M	66
52	F7	Uterus	Leiomyoma	-	Malignant	F	45
53	F8	Uterus	Endometrial adenocarcinoma with squamous metaplasia	III	Malignant	F	58
54	F9	Uterus	Clear cell carcinoma of endometrium	-	Malignant	F	39
55	G1	Uterine cervix	Adenocarcinoma	II	Malignant	F	51
56	G2	Uterine cervix	Squamous cell carcinoma	III	Malignant	F	36
57	G3	Striated muscle	Embryonal rhabdomyosarcoma of left leg	-	Malignant	F	20
58	G4	Rectum	Malignant melanoma of anus margin	-	Malignant	F	84
59	G5	Skin	Basal cell carcinoma of head	-	Malignant	M	57
60	G6	Striated muscle	Squamous cell carcinoma of left chest wall	III	Malignant	M	71
61	G7	Mediastinum	Neurofibroma	-	Malignant	M	40
62	G8	Retroperitoneum	Neuroblastoma of retroperitoneum	-	Malignant	F	3
63	G9	Abdominal cavity	Epithelial malignant mesothelioma of peritoneum	-	Malignant	M	33
64	H1	Lymph node	Diffuse type malignant lymphoma	-	Malignant	M	42
65	H2	Lymph node	Diffuse type B-cell lymphoma	-	Malignant	M	53
66	H3	Lymph node	Hodgkin's lymphoma	-	Malignant	M	50
67	H4	Lymph node	Diffuse type non-Hodgkin's lymphoma	-	Malignant	F	68
68	H5	Bladder	Transitional cell carcinoma	III	Malignant	M	69
69	H6	Bladder	Leiomyosarcoma	-	Malignant	M	62
70	H7	Bone	Osteosarcoma of right femur inferior extremity	-	Malignant	F	7
71	H8	Retroperitoneum	Spindle cell rhabdomyosarcoma of retroperitoneum	-	Malignant	F	48
72	H9	Smooth muscle	Leiomyosarcoma of left buttock	-	Malignant	F	60

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