

IMMUNOHISTOCHEMISTRY REQUESTS

UC Davis, VMTH Histology Lab, VM3A Room 1326
1 Garrod Dr. Davis, CA 95616
530-752-3901

Case # _____ Block # _____ Submitter _____ Institution _____

Date _____ Species _____ Fixative _____ Time in Fixative _____

Tissue Type _____ Rule Out _____ Recharge # _____

Block#	CYTOKERATINS/INTERMEDIATE FILAMENTS	Block#	OTHERS
	Pan CK (Lu5) or (AE1/AE3)		FactorVIII ra (F8)
	<u>H</u> igh <u>M</u> olecular <u>W</u> t. (34BE12)		CD31
	<u>L</u> ow <u>M</u> olecular <u>W</u> t. (AE1)		Ki67 (MIB-1 or 20RAJ1)
	CK 5/6		Melan A
	CK 7		Myogenin (MYGO)
	CK 8 (CAM 5.2)		Myoglobin (MB)
	CK 8/18 (UCD 10.11) or CK18		Osteonectin (ON)
	CK 14		PNL-2
	CK20		Prostatic Acid Phosphatase (PSAP)
	Desmin (DES)		Surfactant
	E-Cadherin (E-CAD)		TTF-1
	Laminin (LM)		HORMONES
	Pan Muscle Actin (PMA)		ACTH
	Skeletal Myosin (SM)		Calcitonin (CT)
	Smooth Muscle Actin (SMA)		Calretinin (CALR)
	Uroplakin III (UPIII)		Glucagon (GLU)
	Vimentin (VIM)		Growth Hormone (GH)
	IMMUNOGLUBULINS		Inhibin (IN)
	IgG - K9, FE, CA, or EQ		Insulin (INS)
	C3 - K9		Parathyroid Hormone (PTH)
	IgA - K9		Somatostatin (SST)
	IgM - K9		Thyroglobulin (TG)
	INFECTIOUS AGENTS		LEUKOCYTES (CD Markers on back)
	FeLV, FIP, Panleuk, FHV, Calicivirus (FCV)		CD163
	CDV, <u>P</u> arvovirus, Canine Circovirus (CaCV)		<u>C</u> -Kit (CD117)
	BCG		<u>G</u> ranzyme <u>B</u> (GrB)
			Lysozyme (LZM)
			Myeloperoxidase (Ca 25.7G1) (MPO) K9/FE only
			Multiple Myeloma Oncogene-1 (MUM-1)
			PAX-5
			Tryptase (TRY)
	NEUROENDOCRINE		
	Chromogranin (CGA)		Synaptophysin (SYP)
	Glial Fibrillary Acidic Protein (GFAP)		<u>S</u> MI <u>31</u> Phosphorylated NF H & M
	IBA-1		<u>S</u> MI <u>33</u> Nonphosphorylated NF H & M
	Neuron Specific Enolase (NSE)		<u>S</u> MI <u>36</u> Phosphorylated NF H
	Neu-N		<u>S</u> MI <u>91</u> Myelin CNPase
	Neurofilament protein NF H (NF200)		<u>S</u> MI <u>94</u> Myelin Basic Protein (<u>MBP</u>)
	Olig 2		<u>S</u> MI <u>312</u> General pan axonal marker
	Periaxin (PRX)		Triple Neurofilament Protein (TNP)
	S100		

The majority of these IHCs are validated in FFPE canine and feline tissue. Phone to verify their use in other species and fixatives.
Comments: (Include return shipping instructions)

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LEUKOCYTE MARKERS - Formalin Fixed Tissue		
Block	CANINE PANEL	
	CD3 (CA17.2A12)	T cell antigen receptor component
	CD11d (CA18.3C6)	Leuko-integrin α D subunit
	CD18 (CA18.3C10)	Leuko-integrin β 2 subunit (α subunits are CD11a-d)
	CD 20	B cell
	CD45 (CD12.10C12)	Leukocyte common antigen
	CD45RA (CA21.4B3)	Leukocyte common antigen restricted isoform
	CD79a (HM57)	B cell antigen receptor component
	CD204	Macrophage
FELINE PANEL		
	CD3 (CA17.2A12)	T cell antigen receptor component
	CD18 (FE3.9F2)	Leuko-integrin β 2 subunit (α subunits are CD11a-d)
	CD20	B cell
	CD79a (HM57)	B cell antigen receptor component
	CD204	Macrophage
EQUINE PANEL		
	CD3 (CA17.2A12)	T cell antigen receptor component
	CD18 (2G1)	Leuko-integrin β 2 subunit (α subunits are CD11a-d)
	CD20	B cell
	CD79a (HM57)	B cell antigen receptor component
	CD204	Macrophage
AVIAN PANEL		
	CD3 (CA17.2A12)	T cell antigen receptor component
	CD79a (HM57)	B cell antigen receptor component
	CD20	Leuko-integrin β 2 subunit (α subunits are CD11a-d)

IMMUNOCYTOCHEMISTRY REQUESTS

C-Kit (CD117)	CD45RA (CA4-1D3)
CD1c (9H11)	CD79a (HM57)
CD3 (CA17.2A12)	Chromogranin
CD4 (1E4)	Desmin
CD8 α (JD3)	Factor VIII
CD11a (4D3)	Melan A
CD11b (3E10)	MPO (10A6)
CD11c (6A1) K9 or (7C11) EQ	MUM-1
CD11d (8H2)	Osteonectin
CD18 (4E9)	Pan CK (LU5)
CD20	Smooth Muscle Actin (1A4)
CD21 (1D6)	TCR (8H1)
CD31	TCR $\alpha\beta$ (8G7)
CD34 (1H6)	Thyroglobulin
CD45 (10C12)	Vimentin (Vim3B4)

The majority of these ICCs are validated in air-dried smears of canine and feline tissue. Phone to verify their use in other species.