



# Immunohistochemistry

## Test Menu

### A

Alpha fetoprotein [I AFP]  
Anaplastic lymphoma kinase -1 [I ALK]  
Androgen receptor [I ANDRO]\*  
Annexin A1, hairy cell, B cell lymphoma [I ANXA1]  
Anti-Arginase-1 [I ARGINASE]

### B

BCL2 follicular lymphoma, apoptosis inhibiting protein [I BCL2]  
BCL6 follicle center B-cell [I BCL6]  
BER EP4 Epithelial antigen [I BER EP4]  
BRAF [I V600E]

### C

CA 19-9 pancreas, liver, ovary, lung tumors [I CA19 9]  
CA 125 epithelial malignancies ovary, breast [I CA125]  
Calcitonin [I CALCT]  
Caldesmon, smooth muscle [I CALDSM]  
Calretinin; Calcium binding protein [I CALRT]  
CAM 5.2 Cytokeratin 7/Cytokeratin 8 [I CK7/CK8]  
Carcinoembryonic antigen (CEA) [I CEA]  
Cathepsin D, breast carcinoma [I CATHD]  
CD1a cortical thymocytes, Langerhans cells [I CD1a]  
CD2 thymic, T-cells, NK cell [I CD2]  
CD3 pan T-cell antigen [I CD3]  
CD4 helper T-cells [I CD4]  
CD5 pan T-cells, B-cell subset, thymic carcinoma [I CD5]  
CD7 pan T-cells, NK cells and thymocytes [I CD7]  
CD8 suppressor T-cells [I CD8]  
CD10 common ALL antigen [I CD10]  
CD15 epithelial, myeloid, Reed-Sternberg cell [I CD15]  
CD19 pan B-cell, follicular dendritic cells, clone BT51E [I CD19]  
CD20 pan B-cell [I CD20]  
CD22 BL-CAM, Early B-cell, hairy cell leukemia, clone FPC1 [I CD22]  
CD23 activated B-cells [I CD23]  
CD25 IL-2 Receptor alpha chain [I CD25]  
CD30 Ki-1 activated T, B-cells, Reed-Sternberg cell [I CD30]  
CD31 endothelial cells technical only [I CD31]  
CD34 endothelial, stem cells, stromal cells [I CD34]  
CD42b glycoprotein, GPIIb, platelets, megakaryocytes [I CD42b]  
CD43 T-cell, myeloid, B-cell subset, histiocytes [I CD43]  
CD45 leucocyte common antigen [I CD45]  
CD45RO Activated T-cells, resting [I CD45RO]  
CD56 NK cell [I CD56]  
CD57 neural, neuroendocrine, NK cells [I CD57]  
CD61 GPIIIa glycoprotein [I CD61]  
CD68 macrophages [I CD68]  
CD79a B-cells, plasma cells [I CD79a]

CD99 Ewings sarcoma PNET [I CD99]  
CD103 Integrin alpha E [I CD103]  
CD117 C-Kit, myeloid, mast cells, GIST [I CD117]  
CD138 plasma cells, subset epithelial cells [I CD138]  
CD163 histiocytes [I CD163]  
CDK4 cyclin-dependent kinase-4, clone DCS-31 [I CDK4]  
CDX2 colorectal carcinoma [I CDX2]  
Chromogranin A [I CHROGRAN]  
C-kit, myeloid and mast cell (CD117) [I CD117]  
CMYC C-MYC oncoprotein [I CMYC]  
Collagen IV, basement membrane protein [I CLLGIV]  
Cyclin D1/PRAD1 mantle cell lymphoma [I CYCLIN]  
Cytokeratin 5/6, squamous, mesothelial [I CK5/6]  
Cytokeratin 7, 54kD [I CK7]  
Cytokeratin 7/8 CAM5.2 [I CK7/8]  
Cytokeratin 8, 35BH11 [I CK8]  
Cytokeratin 8/18, adenocarcinoma [I CK8/18]  
Cytokeratin 19 [I CK19]  
Cytokeratin 20 [I CK20]  
Cytokeratin cocktail, PAN (AE1/AE3) [I AE1/AE3]  
Cytokeratin high molecular weight; 34BE12 [I CK HMW]  
Cytomegalovirus [I CMV]

### D

D2-40, Podoplanin [I D2 40]  
Desmin filament protein [I DESMIN]  
DOG1 derived from GIST 1 [I DOG1]

### E

E-cadherin epithelial cell, ductal-type breast carcinoma [I ECAD]  
Epithelial antigen (BER-EP4) [I BER EP]  
Epithelial membrane antigen [I EMA]  
Epithelial related antigen (MOC-31) [I ERA]  
Estrogen receptor [I ER]

### F

Factor VIII Von Willebrand [I FVIII]  
Factor XIIIa fibrohistiocytic, dendritic interstitial cells [I FXIIIa]  
Forkhead box P3 [I FOXP3]

### G

Galectin-3 [I GALECT]  
Gastrin, g-cell antral/pyloric mucosa [I GASTRIN]  
Glial fibrillary acidic protein [I GFAP]  
Glycophorin-A [I GLYCPA]  
Granzyme B, cytotoxic T-cell subset, NK cell [I GRANB]  
Gross cystic disease fluid protein 15 [I GCDFP15]





## H

Helicobacter pylori [I PYLORI]  
Hepatocyte antigen (HEP Par-1) [I HEPAR1]  
HER2 gastric [I HER2 GA]  
HER2/neu IVD [I HER2]  
Herpes simplex virus type I [I HSVI]  
Herpes simplex virus type II [I HSVII]  
HHV8, human herpesvirus type 8 [I HHV8]  
HMB 45, melanoma associated marker [I HMB 45]  
Human glial fibrillary acidic protein [I GFAP]

## I

Inhibin, adrenal cortical, sex chord stromal [I INHIBIN]

## K

Ki67 cell proliferation marker [I KI67]

## M

Mammaglobin [I MAMMA]  
Melanoma associated marker [HMB 45]  
Melanoma associated marker/Mart [I MELANA]  
Melanoma cocktail (HMB-45, M2-7C10, M2-9E3) [I MC]  
MDM2 E3 ubiquitin ligase, clone SMP-14 [I MDM2]  
Microsatellite instability profile MLH1, MSH2, MSH6, PMS2 [I MSI]  
Multiple Myeloma Oncogene 1 [I MUM1]  
Muscle specific actin [I MSA]  
Mucin glycoprotein [I MUC1]  
Myeloperoxidase [I MPO]  
Myogenin muscle marker, rhabdomyosarcoma [I MYOGEN]  
Myoglobin cardiac, skeletal [I MYOGLB]

## N

Napsin A [I NAPA]  
Neurofilament [I NF]  
Neuron-specific enolase (NSE) [I NSE]

## P

p16 protein expression [I p16]  
P504S gene product (AMACR) prostatic adenocarcinoma [I P504S]  
p53 tumor suppressor gene protein [I P53]  
p57 Cyclin-dependant kinase, tumor supressor gene [Ip57]  
p63 nuclear, tumor suppressor gene protein [I P63NU]  
p63 plasma cell, tumor suppressor gene protein [I P63PC]  
PAX-5, B-cell transcription factor [I PAX5]  
PD-1 (NAT105) programmed death-1 protein, tumor prognostic marker [I PD-1]  
PD-L1 (SP263) protein, tumor prognostic marker [I PD-L1]  
Platelet derived growth factor receptor (PDGFR) alpha [I PDGFR]  
Placental alkaline phosphatase, germ cell tumors, adenocarcinoma [I PLAP]  
Progesterone receptor [I PR]  
Prostatic acid phosphatase [I PSAP]  
Prostate specific antigen (PSA) [I PSA]

## R

Renal cell carcinoma [I RCC]

## S

S-100 protein [I S100]  
Smooth muscle actin [I SMA]  
Smooth muscle-specific myosin [I SMM]  
Somatostatin, d-cells pancreatic islet cells [I SOMATO]  
Sox-11, mantle cell lymphoma [I SOX11]  
Synaptophysin [I SYNPTP]

## T

TAG 72, adenocarcinoma; HMW glycoprotein [I TAG72]  
Terminal deoxynucleotidyl transferase, cortical thymocytes [I TDT]  
Thyroglobulin [I THYRGLB]  
Thyroid Transcription Factor-1 [I TTF1]  
Tyrosinase [I TYR]

## V

Varicella zoster virus [I VZV]  
Vimentin [I VIM]  
Von Willebrand Factor VIII [I VWF]

## W

WT1, Wilms tumor [I WT1]

## *In situ Hybridization Test Menu*

Epstein Barr virus early RNA [I EBER ISH]  
Kappa Immunoglobulin light chains by ISH [I KAP ISH]  
Lambda Immunoglobulin light chains by ISH [I LAM ISH]

(Refer to web site for tests performed at affiliate lab)

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