

Mouse Cytokeratin Monoclonal Antibody | anti-KRT antibody

Cytokeratin, pan (Epithelial Marker)

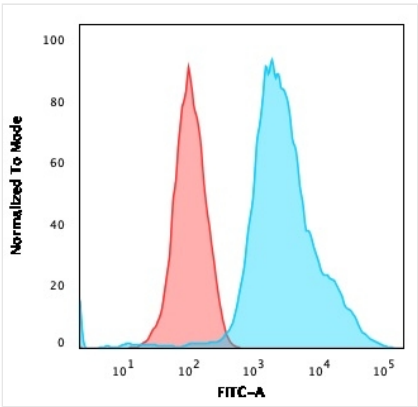
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215342	Mouse	Human, Dog, Cat	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

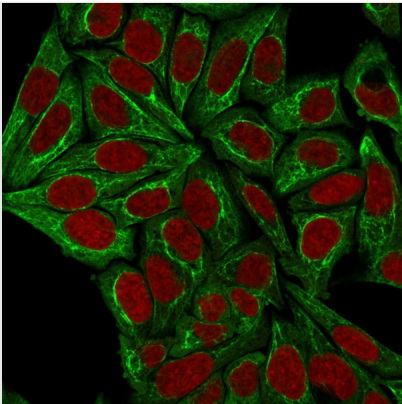
Cytokeratin; Monoclonal Antibody; pan (Epithelial Marker); K1B; KRT1B; Keratin; type II cytoskeletal 1b; K77; CK-1B; Keratin 1B; Keratin-77; Cytokeratin-1B; Type-II Keratin Kb39; anti-KRT antibody

PRODUCT SPECIFICATIONS

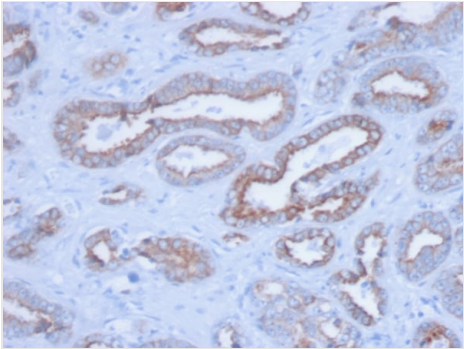
Host	Mouse
Reactivity	Human, Dog, Cat
Clonality	Monoclonal
Isotype	IgG2a, kappa
Clone Number	PCK/3150
Specificity	Anti-cytokeratin clone PCK/3150 demonstrates a broad spectrum of cytokeratin reactivity. In normal tissues, PCK/3150 is reactive with most epithelial types, including bile ducts and hepatocytes in liver, bladder epithelium, breast ducts, bronchial epithelium, endometrium, intestinal epithelium of stomach, duodenum, ileum, colon, rectum, pancreas, ovarian epithelium, pancreatic acini, pituitary acini, pneumocytes, prostate, thyroid, skin (positive on the basal layer and negative on the superficial layers of squamous epithelium), and apocrine and sweat glands. In tumors, PCK/3150 is reactive with most carcinomas, including breast, transitional cell (TCC), renal cell (RCC), lung adenocarcinoma, lung small cell, lung squamous cell, endometrial, prostate, ovarian, hepatocellular (HCC), colorectal CA, stomach and thyroid. It is negative in certain normal tissues, including brain, lymphocytes and all cells of hemolymphoid origin, muscle, brain, nerves, endothelium and in certain tumors including most melanomas, sarcomas, lymphomas, primitive neuroectodermal tumors (PNET)/Ewings and gastrointestinal stromal tumors (GIST). Positivity has been seen on some dendritic cells in lymph nodes, some endothelia, and some muscle cells.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	279
Applicable Applications for anti-KRT antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Positive Control	Skin, adeno- or squamous carcinomas (IHC).
Immunogen	Crude cytokeratin extract prepared from RT-4 and MCF-7 cells.
Cellular Localization	Cytoplasmic
Hu-chromosome Location	Multiple
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



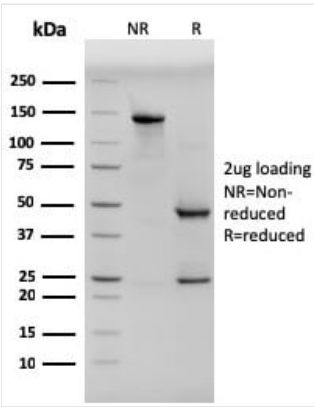
FCM/FACS (Flow Cytometry)
Flow Cytometric Analysis of HeLa cells using Pan-Cytokeratin Mouse Monoclonal Antibody (PCK/3150) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



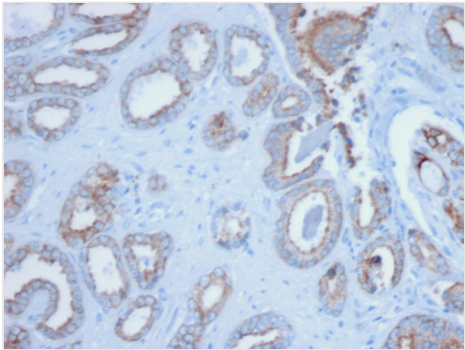
IF (Immunofluorescence)
Immunofluorescence staining of HeLa cells using Pan-Cytokeratin Mouse Monoclonal Antibody (PCK/3150) followed by goat anti-Mouse IgG conjugated to CF488 (green). Nucleus stained with Reddot (Red).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Prostate stained with Pan-Cytokeratin Mouse Monoclonal Antibody (PCK/3150).



SDS_PAGE
SDS-PAGE Analysis Purified Pan-Cytokeratin Mouse Monoclonal Antibody (PCK/3150). Confirmation of Purity and Integrity of Antibody.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Prostate stained with Pan-Cytokeratin Mouse Monoclonal Antibody (PCK/3150).

ADDITIONAL INFORMATION

References	1. Gown AM, et al. Am J Clin Pathol. 1985;84:413. 2. Battifora H, Am J Surg Pathol. 1988;12:24
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1419564
NCBI GeneID	3856

Molecular Weight	40-67kDa (Multiple)
NCBI Official Full Name	cytokeratin
NCBI Official Synonym Full Names	keratin 8
NCBI Official Symbol	KRT8
NCBI Official Synonym Symbols	K8; KO; CK8; CK-8; CYK8; K2C8; CARD2
NCBI Protein Information	keratin, type II cytoskeletal 8

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cytokeratin-antibody-clone-pck-3150-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/215342>