

Mouse Cytokeratin 18 (KRT18) Monoclonal Antibody | anti-KRT18 antibody

Cytokeratin 18 (KRT18) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA13836	Mouse	Human.Does not react with Mouse, Rat, Sheep, Hamster, Cow, Dog and Pig	Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry

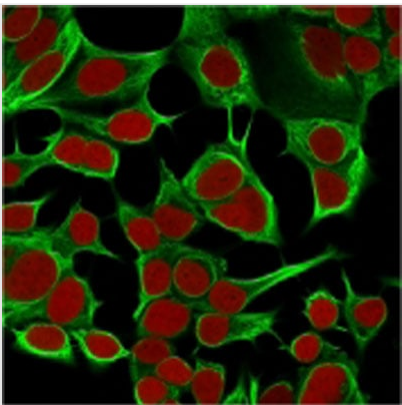
PRODUCT SYNONYMS

Cytokeratin 18 (KRT18); Monoclonal Antibody; Cytokeratin 18 (KRT18) Mouse Monoclonal Antibody; Cell Proliferation-inducing Gene 46 Protein; CK18; CYK18 Cytokeratin Endo B; K18; Keratin-18; Kerd; KRT18; anti-KRT18 antibody

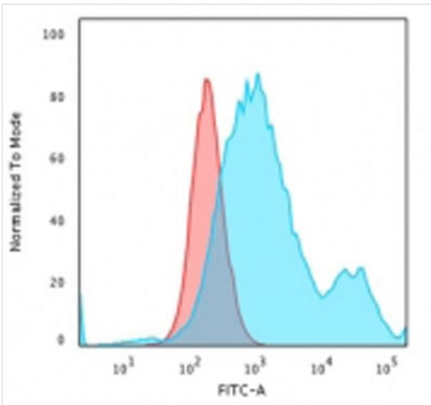
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Does not react with Mouse, Rat, Sheep, Hamster, Cow, Dog and Pig
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	KRT18/834
Specificity	This MAb reacts with a wide variety of simple epithelia. It does not react with stratified squamous epithelia. It reacts with epithelial tumors of the gastrointestinal tract, lung, breast, pancreas, ovary, and thyroid. Cytokeratin 18, which belongs to the type A (acidic) subfamily of low molecular weight keratins, exists in combination with cytokeratin 8. It is reported that tissues from gastrointestinal tract are positive for both cytokeratin 8 and 18 but do not contain cytokeratin 14. Tissues from gastrointestinal tract, respiratory tract and urogenital tract, as well as endocrine and exocrine tissues and mesothelial cells are positive for cytokeratin 18.
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	430
Applicable Applications for anti-KRT18 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry)
Application Notes	Western Blot (1-2ug/ml) Flow Cytometry (1-2ug/million cells) Immunofluorescence (1-2ug/ml) Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Cellular Localization	Cytoplasmic
Immunogen	Recombinant full-length human KRT18 protein
Hu-Chromosome Location	12q13.13
Positive Control	MCF-7, HeLa, A431 cells or Breast Cancer
Preparation and Storage	Antibody without azide - store at -20 to -80 degree C. No MSDS required.

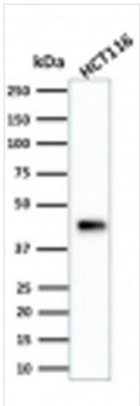
IMAGES



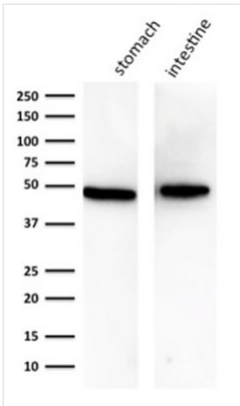
IF (Immunofluorescence)



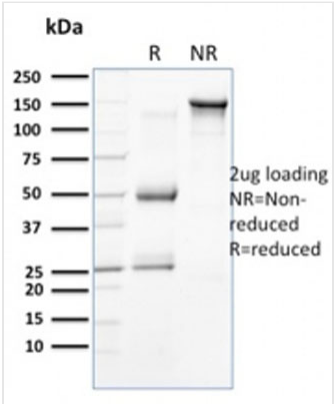
FCM (Flow Cytometry)



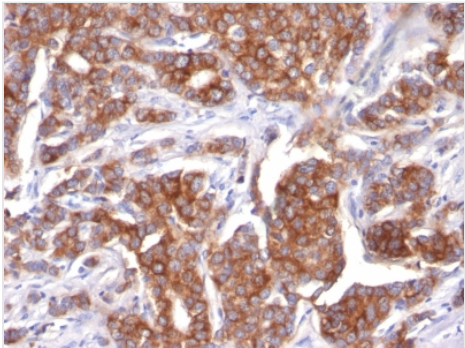
WB (Western Blot)



WB (Western Blot)



WB (Western Blot)



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with Cytokeratin 18 Monoclonal Antibody (KRT18/834).

ADDITIONAL INFORMATION

References	Lauerova, L., et al. 1988. Novel monoclonal antibodies defining epitope of human cytokeratin 18 molecule. Hybridoma 5: 495-504
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557888
NCBI GeneID	3875
NCBI Accession #	NP_000215.1

NCBI GenBank Nucleotide #	NM_000224.2
UniProt Accession #	P05783 ; Q53G38 ; Q5U0N8 ; Q9BW26
Molecular Weight	45kDa
NCBI Official Full Name	keratin, type I cytoskeletal 18
NCBI Official Synonym Full Names	keratin 18
NCBI Official Symbol	KRT18
NCBI Official Synonym Symbols	K18; CK-18; CYK18
NCBI Protein Information	keratin, type I cytoskeletal 18
UniProt Protein Name	Keratin, type I cytoskeletal 18
UniProt Gene Name	KRT18
UniProt Synonym Gene Names	CYK18; CK-18; K18
UniProt Entry Name	K1C18_HUMAN

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-18-krt18-antibody-clone-krt18-834-flow-cytometry-immunofluorescence-immunohistochemistry-elisa/13836>