

Mouse anti-Human, Mouse Cytokeratin 19 (KRT19) Monoclonal Antibody | anti-KRT19 antibody

Cytokeratin 19 (KRT19) (Pancreatic Stem Cell Marker) Mouse Monoclonal Antibody

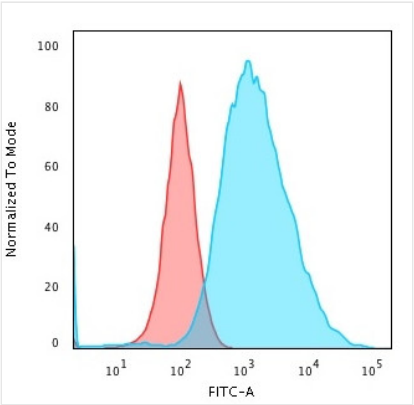
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA13816	Mouse	Human, Mouse	Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

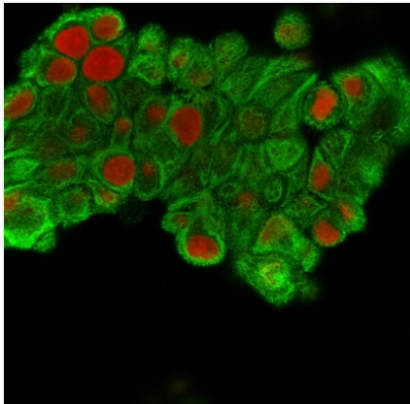
Cytokeratin 19 (KRT19); Monoclonal Antibody; Cytokeratin 19 (KRT19) (Pancreatic Stem Cell Marker) Mouse Monoclonal Antibody; k19; k1cs; Keratin 19 Keratin Type i 40kD; krt19; anti-KRT19 antibody

PRODUCT SPECIFICATIONS

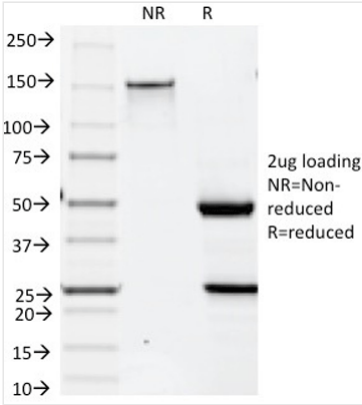
Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	BA17
Specificity	This Ab reacts with the rod domain of human cytokeratin 19 (CK19), a polypeptide of 40kDa. CK19 is expressed in sweat gland, mammary gland ductal and secretory cells, bile ducts, gastrointestinal tract, bladder urothelium, oral epithelia, esophagus, and ectocervical epithelium. Anti-CK19 reacts with a wide variety of epithelial malignancies including adenocarcinomas of the colon, stomach, pancreas, biliary tract, liver, and breast. Perhaps the most useful application is the identification of thyroid carcinoma of the papillary type, although 50%-60% of follicular carcinomas are also labeled. Anti-CK19 is a useful marker for detection of tumor cells in lymph nodes, peripheral blood, bone marrow and breast cancer.
Form/Format	1.0mg/ml of Ab purified from Bioreactor Concentrate by Protein A/G.
Sequence Length	400
Applicable Applications for anti-KRT19 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	Human mammary epithelial organoids.
Hu-Chromosome Location	17q21.2
Positive Control	MCF-7, HeLa cells, Breast Cancer
Preparation and Storage	Antibody without azide - store at -20°C to -80°C. Non-hazardous. No MSDS required.



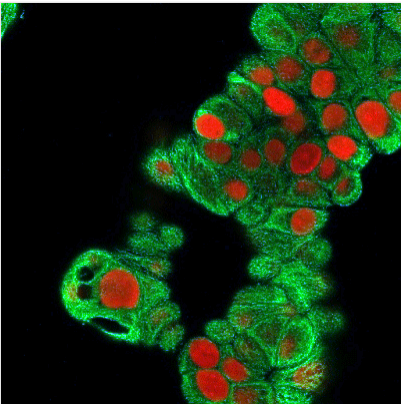
FCM (Flow Cytometry)
Flow Cytometric Analysis of MeOH-fixed MCF-7 cells using Cytokeratin 19 Monoclonal Antibody followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



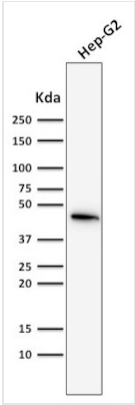
IF (Immunofluorescence)
Immunofluorescence Analysis of MeOH-fixed MCF-7 cells labeling CK19 using Cytokeratin 19 Mouse Monoclonal Antibody followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Reddot (Red)



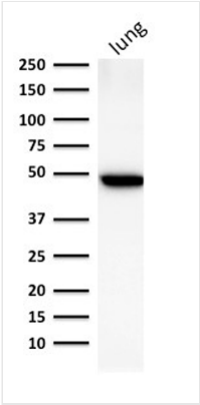
SDS-PAGE
SDS-PAGE Analysis Purified Cytokeratin 19 Mouse Monoclonal Antibody (BA17). Confirmation of Integrity and Purity of Antibody.



IF (Immunofluorescence)
Immunofluorescence Analysis of MeOH-fixed MCF-7 cells. Cytokeratin 19 Mouse Monoclonal Antibody (BA17) followed by goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Reddot (Red)



WB (Western Blot)
Western Blot Analysis of HepG2 cell lysate using Cytokeratin 19 Mouse MAb



WB (Western Blot)
Western Blot Analysis of human lung lysate using Cytokeratin 19 Mouse Monoclonal Antibody (BA17).

ADDITIONAL INFORMATION

References	Morton JP et. al. Am J Pathol 172:1081-7 (2008). Olofsson MH et. al. Clin Cancer Res 13:3198-206 (2007). Aleksic T et. al. Gut 56:227-36 (2007). Nightingale J et. al. J Am Soc Nephrol 15:21-32 (2004). Lewis BC et. al. Genes Dev 17:3127-38 (2003). Bartek J et. al. J Cell Sci 75:17-33 (1985) Bartek J et. al. Int J Cancer 36:299-306 (1985)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24234699
NCBI GeneID	3880
NCBI Accession #	NP_002267.2
NCBI GenBank Nucleotide #	NM_002276.4
UniProt Accession #	P08727; Q5XG83; Q6NW33; Q7L5M9; Q96A53; Q96FV1; Q9BYF9; Q9P1Y4; B2R874
Molecular Weight	40kDa
NCBI Official Full Name	keratin, type I cytoskeletal 19
NCBI Official Synonym Full Names	keratin 19
NCBI Official Symbol	KRT19
NCBI Official Synonym Symbols	K19; CK19; K1CS
NCBI Protein Information	keratin, type I cytoskeletal 19
UniProt Protein Name	Keratin, type I cytoskeletal 19
UniProt Gene Name	KRT19
UniProt Synonym Gene Names	CK-19; K19
UniProt Entry Name	K1C19_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-19-krt19-antibody-clone-ba17-flow-cytometry-immunofluorescence-immunohistochemistry-elisa/13816>