

Mouse anti-Human KRT19 Monoclonal Antibody | anti-KRT19 antibody

KRT19 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48117	Mouse	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

KRT19; Monoclonal Antibody; KRT19 antibody; Keratin type I cytoskeletal 19; Keratin; type I cytoskeletal 19; CK19; K19; K1CS; anti-KRT19 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	AT13D10
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	400
Applicable Applications for anti-KRT19 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human KRT19 (1-400aa) purified from E. coli
Clone Note	Anti-human KRT19 mAb, clone AT13D10, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human KRT19 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of KRT19 in HepG2 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human HepG2 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The cell lysates of MCF7 (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human KRT19 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. The Cell lysates (20ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human KRT19 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HepG2 cell lysate The Cell lysates (5ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human KRT19 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: 293T cell lysate Lane 2.: KRT19 Transfected 293T cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-KRT19 antibody	KRT19 (type 1 cytokeratin 19) is 44kDa intermediate filament (IF) protein that is part of the Keratin family of proteins. Cytokeratins play a critical role in differentiation and tissue specialization and function to maintain the overall structural integrity of epithelial cells and have been found to be useful markers of tissue differentiation. KRT19 is an important biomarker for breast cancer cells, tumor cells of the lymph nodes, peripheral blood, and bone marrow. Cytokeratin 19 can be expressed with KRT8 and KRT18 to differentiate cells of epithelial lines from hematopoietic tumor cells in the peripheral blood.
Product Categories/Family for anti-KRT19 antibody	Cytoskeleton
References	Stone, M.R., et al. (2005) Mol Biol Cell 16: 4280-4293; Lacroix, M. (2006) Endocrine Related Cancer 13 (4): 1033-1067; Allard W.J., et al. (2004) Clin Cancer Research 10 (20): 6897-6904

NCBI AND UNIPROT INFORMATION

NCBI GI #	24234699
NCBI GeneID	3880
NCBI Accession #	NP_002267
NCBI GenBank Nucleotide #	NM_002276.4
UniProt Accession #	P08727; Q5XG83; Q6NW33; Q7L5M9; Q96A53; Q96FV1; Q9BYF9; Q9P1Y4; B2R874
Molecular Weight	44,106 Da
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

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/krt19-antibody-clone-at13d10-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/48117>