

Mouse anti-Human Cytokeratin 19/KRT19 Monoclonal Antibody | anti-KRT19 antibody

Anti-Cytokeratin 19/KRT19 Antibody, Mouse Monoclonal

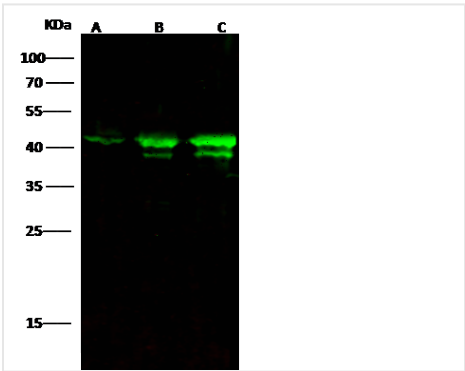
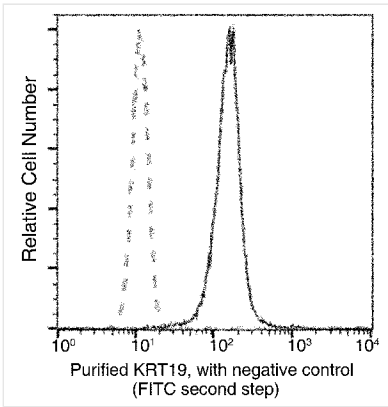
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254182	Mouse	Human	Immunoprecipitation, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

Cytokeratin 19/KRT19; Monoclonal Antibody; Anti-Cytokeratin 19/KRT19 Antibody; Mouse Monoclonal; KRT19 Antibody; Mouse MAb; keratin 19; type I; Anti-CK19 Antibody; Anti-K19 Antibody; Anti-K1CS Antibody; anti-KRT19 antibody

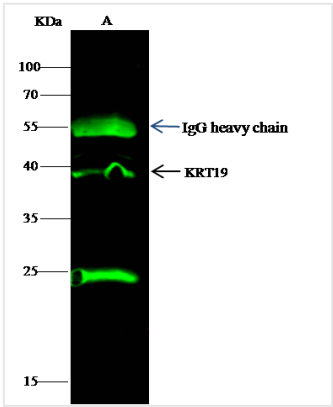
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG3
Clone Number	05
Specificity	Human KRT19
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-KRT19 antibody	IP (Immunoprecipitation), FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the N-terminus of the human KRT19
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with a synthetic peptide corresponding to the N-terminus of the human KRT19. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



WB (Western Blot)
Anti-KRT19 mouse monoclonal antibody at 1:500 dilution
Lane A: HepG2 Whole Cell Lysate
Lane B: HCT116 Whole Cell Lysate
Lane C: A431 Whole Cell Lysate
Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Mouse IgG H&L (Dylight800) at 1/15000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 44 kDa Observed band size: 42 kDa

FCM/FACS (Flow Cytometry)
Flow cytometric analysis of Human KRT19 expression on A431 cells. The cells were treated according to manufacturer's manual (BD Pharmingen), stained with purified anti-Human KRT19, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



IP (Immunoprecipitation)
KRT19 was immunoprecipitated using: Lane A: 0.5 mg HepG2 Whole Cell Lysate, 4 uL anti-KRT19 mouse monoclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-KRT19 mouse monoclonal antibody, at 1:100 dilution. Secondary antibody: DyLight 800-labeled antibody to Mouse IgG (H+L), at 1:7500 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 44 kDa Observed band size: 40 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-KRT19 antibody	Cytokeratin 19 (KRT19) is a cytoplasmic intermediate filament protein, which is responsible for structural rigidity and multipurpose scaffolds. In several cancers, KRT19 is overexpressed and may play a crucial role in tumorigenic transformation. The KRT19 gene encodes cytokeratin 19, an element of the cytoskeleton whose expression is frequently altered in renal cell carcinoma (RCC). KRT19 was identified as one of the key biomarkers for distinguishing cholangiocarcinoma (CCA) and hepatocellular carcinoma. Expression of KRT19 was specifically high in breast cancers and significantly correlated with their invasiveness. Moreover, knockdown of KRT19 led to increased proliferation, migration, invasion, drug resistance, and sphere formation in breast cancer cells via an upregulated NOTCH signaling pathway.
--	--

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	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; CK-19; keratin-19; cytokeratin 19; cytokeratin-19; keratin, type I, 40-kd; 40-kDa keratin intermediate filament
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/cytokeratin-19-krt19-antibody-clone-05-immunoprecipitation-flow-cytometry-western-blot-elisa/254182>