

Mouse anti-Human CHI3L2 Monoclonal Antibody | anti-CHI3L2 antibody

CHI3L2 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48938	Mouse	Human	Flow Cytometry, Functional Assay, Western Blot, ELISA

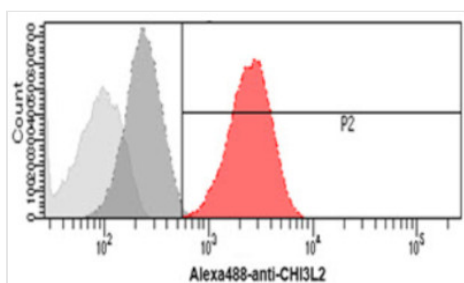
PRODUCT SYNONYMS

CHI3L2; Monoclonal Antibody; CHI3L2 antibody; CHIL2; YKL-39; YKL39; anti-CHI3L2 antibody

PRODUCT SPECIFICATIONS

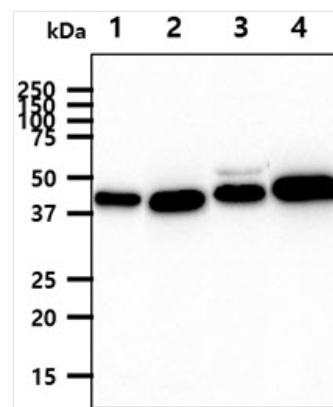
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	AT2B5
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	390
Applicable Applications for anti-CHI3L2 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Immunogen	Recombinant human CHI3L2 (27-390aa) purified from E. coli
Preparation and Storage	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometry analysis of CHI3L2 in HeLa cells. The cell was stained with AAA48938 at 2-5ug for 1x10⁶ cells (red). A Goat anti mouse IgG (Alexa fluor 488) was used as the secondary antibody. Mouse monoclonal IgG was used as the isotype control (dark gray), cells without incubation with primary and secondary antibody was used as the negative control (light gray)



WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CHI3L2 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.: HeLa cell lysate Lane 3.: HepG2 cell lysate Lane 4.: LnCap cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-CHI3L2 antibody	CHI3L2, also known as chitinase-3-like protein 2, belongs to chitinase protein family. It is secreted by synovial fibroblasts, chondrocytes, and TGFb/IL4 stimulated monocyte derived macrophages. It has been proposed as a potential biomarker for osteoarthritis.
Product Categories/Family for anti-CHI3L2 antibody	Stem Cell
References	Hu B., et al. (1996) J. Biol. Chem. 271: 19415-19420.; Gratchev A., et al. (2008) Biomarker Insights. 3: 39-44.

NCBI AND UNIPROT INFORMATION

NCBI GI #	68533255
NCBI GeneID	1117
NCBI Accession #	NP_003991
NCBI GenBank Nucleotide #	NM_004000.2
UniProt Accession #	Q15782; Q15749; Q15783; Q5VUV7; Q96F97; A6NNY3; B4DPR7
NCBI Official Full Name	chitinase-3-like protein 2 isoform a
NCBI Official Synonym Full Names	chitinase 3 like 2
NCBI Official Symbol	CHI3L2
NCBI Official Synonym Symbols	CHIL2; YKL39; YKL-39
NCBI Protein Information	chitinase-3-like protein 2
UniProt Protein Name	Chitinase-3-like protein 2
UniProt Gene Name	CHI3L2

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/chi3l2-antibody-clone-at2b5-flow-cytometry-western-blot-elisa/48938>