

Mouse anti-Human Iduronate 2-Sulfatase/IDS Monoclonal Antibody | anti-IDS antibody

Iduronate 2-Sulfatase/IDS

CATALOG # AAA48278	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, Western Blot, ELISA
------------------------------	----------------------	----------------------------	--

PRODUCT SYNONYMS

Iduronate 2-Sulfatase/IDS; Monoclonal Antibody; Iduronate 2-sulfatase isoform; IDS; MPS2; SIDS; anti-IDS antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b kappa
Clone Number	AT6H4
Purity/Purification	Protein-A Affinity Chromatography
Form/Format	Liquid; In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol.
Concentration	1mg/ml (determined by BCA assay) (varies by lot)
Sequence Length	550
Applicable Applications for anti-IDS antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Immunogen	Recombinant human IDS (26-550aa) purified from insect cell.
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 IDS in HeLa cells. The cell was stained 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 (blue), cells without incubation with primary and secondary antibody was used as the negative control (black).



WB (Western Blot)

The recombinant proteins (50ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human IDS antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Recombinant Human IDS

ADDITIONAL INFORMATION

Related Product Information for anti-IDS antibody	IDS, as known asiduronate 2-sulfatase isoform, is a member of the highly conserved sulfatase family of enzymes that catalyze the hydrolysis of O-sulfate and N-sulfate esters from a variety of substrates. This protein is required for the lysosomal degradation of the glycosaminoglycans (GAG) heparan sulfate and dermatan sulfate. It hydrolyzes the 2-sulfate group of the IDS units of the GAG.
References	Torres LC., et al, (2014) Clin. Immunol. 154:100-104. Chistiakov DA., et al, (2014) J.Genet.Genomics. 41:197-203.

NCBI AND UNIPROT INFORMATION

NCBI GI #	124174
NCBI GeneID	3423
UniProt Accession #	P22304
NCBI Official Full Name	Iduronate 2-sulfatase
NCBI Official Synonym Full Names	iduronate 2-sulfatase
NCBI Official Symbol	IDS
NCBI Official Synonym Symbols	ID2S; MPS2; SIDS
NCBI Protein Information	iduronate 2-sulfatase
UniProt Protein Name	Iduronate 2-sulfatase
UniProt Gene Name	IDS
UniProt Synonym Gene Names	SIDS; Idursulfase
UniProt Entry Name	IDS_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/iduronate-2-sulfatase-ids-antibody-clone-at6h4-flow-cytometry-western-blot-elisa/48278>