

Mouse anti-Human CD98 Monoclonal Antibody | anti-SLC3A2 antibody

CD98 (SLC3A2) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62634	Mouse	Human	Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD98; Monoclonal Antibody; CD98 (SLC3A2) Mouse Monoclonal Antibody; 4F2; 4F2HC; 4T2HC; CD98HC; MDU1; NACAE; Slc3a2; Solute Carrier Family 3 (activators of dibasic and neutral amino acid transport) Member 2; E16; LAT1; MPE16; hLAT1; anti-SLC3A2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgM
Clone Number	IPO-T10
Specificity	CD98 exists as a heterodimer containing a disulphide-linked glycosylated heavy chain and a non-glycosylated light chain. It is a member of the solute carrier family and encodes a cell surface, transmembrane protein. The protein exists as the heavy chain of a heterodimer, covalently bound through disulfide bonds to one of several possible light chains. The encoded transporter plays a role in regulation of intracellular calcium levels and transports L-type amino acids. Alternatively spliced transcript variants, encoding different isoforms, have been characterized.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	631
Applicable Applications for anti-SLC3A2 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cell Surface, Cytoplasmic
Immunogen	Native leucocytes
Hu-Chromosome Location	11q12.3
Positive Control	HL-60, Jurkat, MG63, HUT-78, K562, YT, U937, Hep-G2 cells, Tonsil
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

ADDITIONAL INFORMATION

References	The Sixth International Workshop and Conference on Human Leukocyte Differentiation Antigens, Kobe, Japan 1996 (Garland Publishing, Inc, London)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	61744477
NCBI GeneID	6520
NCBI Accession #	NP_001012680.1

NCBI GenBank Nucleotide #	NM_001012662.2
UniProt Accession #	P08195; Q13543
NCBI Official Full Name	4F2 cell-surface antigen heavy chain isoform b
NCBI Official Synonym Full Names	solute carrier family 3 member 2
NCBI Official Symbol	SLC3A2
NCBI Official Synonym Symbols	4F2; CD98; MDU1; 4F2HC; 4T2HC; NACAE; CD98HC
NCBI Protein Information	4F2 cell-surface antigen heavy chain
UniProt Protein Name	4F2 cell-surface antigen heavy chain
UniProt Gene Name	SLC3A2
UniProt Synonym Gene Names	MDU1; 4F2hc
UniProt Entry Name	4F2_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/cd98-antibody-clone-ipo-t10-immunofluorescence-flow-cytometry-elisa/62634>