

SLC3A2 Specific Recomb[™] Antibody (V3S-1023-FY134), Mouse IgG

Cat. No.: V3S-1023-FY134

Summary

Description	This product is a mouse antibody that recognizes human SLC3A2. It recognizes different epitopes on CD98hc, but not its glycans, which explains its strong reactivities. These findings uncover the principles of glycoprotein-solute carrier assembly and offer models for enhancing pre-clinical drugs and antibodies that target LAT1 or CD98hc.
Clonality	Monoclonal
Host Species	Mouse
Target Species	Human
Isotype	Mouse IgG
Isotype Control	C35500
Secondary Antibody	C13172; C32251; C50005; C37557; C41360

Property

Expression Species	HEK293F or CHO
Conjugation	None
Purity	>95%, determined by SDS-PAGE and SEC-HPLC
Endotoxin	<1 EU/mg
Purification	Protein G purified
Sterility	0.2 µM filtered
Formulation	PBS, pH 7.4
Preservation	No preservatives
Stabilizer	No stabilizers
Storage	Store at 4°C within a week. For longer storage, aliquot and store at -20°C.

Applications

Application	ELISA
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For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.

Target

Target	SLC3A2
Alternative Name	4F2; CD98; MDU1; 4F2HC; 4T2HC; NACAE; CD98HC; 4F2 cell-surface antigen heavy chain; CD98 heavy chain; antigen defined by monoclonal antibody 4F2, heavy chain; antigen identified by monoclonal antibodies 4F2, TRA1.10, TROP4, and T43; lymphocyte activation antigen 4F2 large subunit; monoclonal antibody 44D7; solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2; solute carrier family 3 (amino acid transporter heavy chain), member 2
Gene ID	6520
UniProt	P08195
Introduction	SLC3A2 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.
Research Area	Cancer Research

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