

Mouse SLC7A8 Monoclonal Antibody | anti-SLC7A8 antibody

SLC7A8 antibody

CATALOG # AAA107031	HOST Mouse	APPLICATIONS Immunofluorescence, Flow Cytometry, Functional Assay
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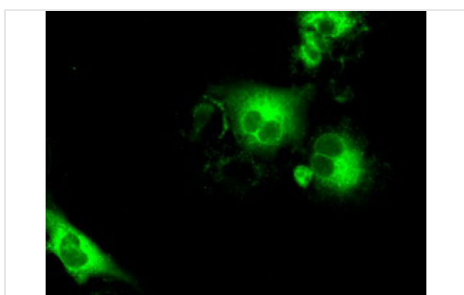
PRODUCT SYNONYMS

SLC7A8; Monoclonal Antibody; SLC7A8 antibody; Monoclonal SLC7A8; Anti-SLC7A8; Solute Carrier Family 7 Member 8; Cationic Amino Acid Transporter Y+ System 8; LAT2; LPI-PC1; SLCA8 7; SLCA8-7; anti-SLC7A8 antibody

PRODUCT SPECIFICATIONS

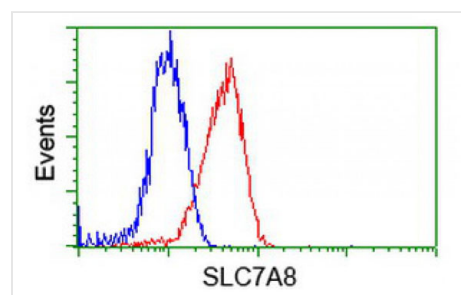
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4H10
Purity/Purification	SLC7A8 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	535
Applicable Applications for anti-SLC7A8 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	SLC7A8 is sodium-independent, high-affinity transport of large neutral amino acids. It has higher affinity for L-phenylalanine than LAT1 but lower affinity for glutamine and serine. L-alanine is transported at physiological concentrations. SLC7A8 also plays a role in basolateral (re)absorption of neutral amino acids.
Cross-Reactivity	Human
Immunogen	SLC7A8 antibody was raised in mouse using a full length recombinant protein of human SLC7A8 (NP_036376) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant SLC7A8 protein using SLC7A8 antibody



FCM/FACS (Flow Cytometry)

Flow Cytometric analysis of Jurkat cells using SLC7A8 antibody (Red), compared to a nonspecific negative control antibody (Blue).

ADDITIONAL INFORMATION

Related Product Information for anti-SLC7A8 antibody	Mouse monoclonal SLC7A8 antibody
Product Categories/Family for anti-SLC7A8 antibody	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	33286428
NCBI GeneID	23428
NCBI Accession #	NP_036376
NCBI GenBank Nucleotide #	NM_012244.3
UniProt Accession #	Q9UHI5; Q86U05; Q9UKQ6; Q9UKQ7; Q9UKQ8; Q9Y445; B2R8Q4; B4DKT4; B4DTV6; D3DS46; F2Z2J4
Molecular Weight	48,283 Da
NCBI Official Full Name	large neutral amino acids transporter small subunit 2 isoform a
NCBI Official Synonym Full Names	solute carrier family 7 (amino acid transporter light chain, L system), member 8
NCBI Official Symbol	SLC7A8
NCBI Official Synonym Symbols	LAT2; LPI-PC1
NCBI Protein Information	large neutral amino acids transporter small subunit 2
UniProt Protein Name	Large neutral amino acids transporter small subunit 2
UniProt Gene Name	SLC7A8
UniProt Synonym Gene Names	LAT2; hLAT2
UniProt Entry Name	LAT2_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/slc7a8-antibody-clone-4h10-immunofluorescence-flow-cytometry-elisa/107031>