

Mouse SLC7A8 Monoclonal Antibody | anti-SLC7A8 antibody

SLC7A8 antibody

CATALOG # AAA107242	HOST Mouse	APPLICATIONS Western Blot, Flow Cytometry, Functional Assay
-------------------------------	----------------------	---

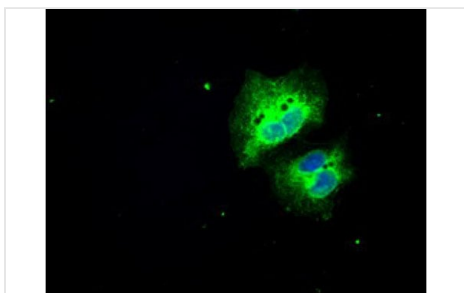
PRODUCT SYNONYMS

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

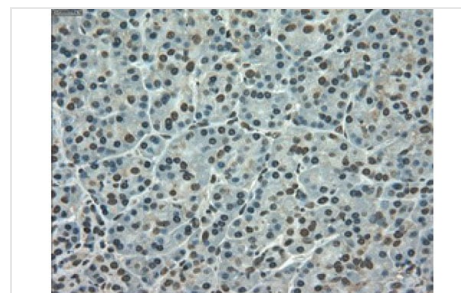
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	5A9
Purity/Purification	SLC7A8 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	535
Applicable Applications for anti-SLC7A8 antibody	WB (Western Blot), 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 protein expressed in 293T cell transfected with human SLC7A8 expression vector 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



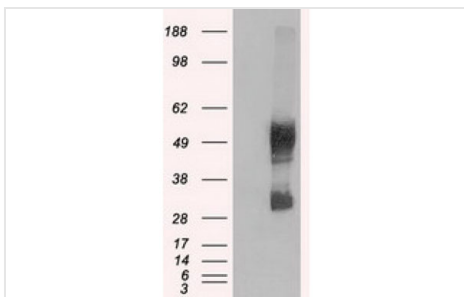
IF (Immunofluorescence)

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



IHC (Immunohistochemistry)

Immunohistochemical analysis of SLC7A8 protein in paraffin embedded Human pancreas tissue using SLC7A8 antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant SLC7A8 protein (Right) or empty vector (Left) detected with SLC7A8 antibody

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 #	4581470
NCBI GeneID	23428
UniProt Accession #	Q9UHI5 ; Q86U05 ; Q9UKQ6 ; Q9UKQ7 ; Q9UKQ8 ; Q9Y445 ; B2R8Q4 ; B4DKT4 ; B4DTV6 ; D3DS46 ; F2Z2J4
Molecular Weight	48,283 Da
NCBI Official Full Name	SLC7A8 protein
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/monoclonal/slc7a8-antibody-clone-5a9-western-blot-flow-cytometry-elisa/107242>