

Mouse Low affinity cationic amino acid transporter 2 (SLC7A2) ELISA Kit | SLC7A2 elisa kit

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CATALOG #
AAA246604

REACTIVITY
Mouse

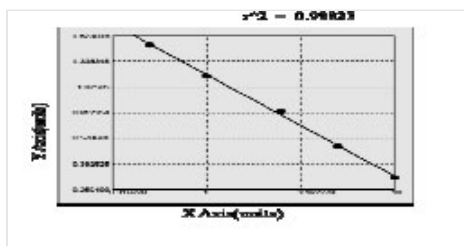
PRODUCT SYNONYMS

Low affinity cationic amino acid transporter 2 (SLC7A2); Mouse Low affinity cationic amino acid transporter 2 (SLC7A2) ELISA Kit; SLC7A2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SLC7A2 elisa kit

Intended Uses: This SLC7A2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse SLC7A2. This ELISA kit for research use only!

Principle of the Assay||SLC7A2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SLC7A2 antibody and an SLC7A2-HRP conjugate. The assay sample and buffer are incubated together with SLC7A2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SLC7A2 concentration since SLC7A2 from samples and SLC7A2-HRP conjugate compete for the anti-SLC7A2 antibody binding site. Since the number of sites is limited, as more sites are occupied by SLC7A2 from the sample, fewer sites are left to bind SLC7A2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SLC7A2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for SLC7A2 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	258614005
NCBI GeneID	6542
NCBI Accession #	NP_001008539.3
NCBI GenBank Nucleotide #	NM_001008539.3
Molecular Weight	75,986 Da
NCBI Official Full Name	low affinity cationic amino acid transporter 2 isoform 2
NCBI Official Synonym Full Names	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2
NCBI Official Symbol	SLC7A2
NCBI Official Synonym Symbols	CAT2; ATRC2; HCAT2
NCBI Protein Information	low affinity cationic amino acid transporter 2
UniProt Protein Name	Low affinity cationic amino acid transporter 2
UniProt Gene Name	SLC7A2
UniProt Synonym Gene Names	ATRC2; CAT2; CAT-2; CAT2
UniProt Entry Name	CTR2_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/mouse-elisa-kits/low-affinity-cationic-amino-acid-transporter-2-slc7a2/246604>