

Rat Y+L amino acid transporter 1 (SLC7A7) ELISA Kit | SLC7A7 elisa kit

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CATALOG #
AAA245322

REACTIVITY
Rat

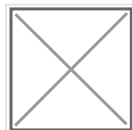
PRODUCT SYNONYMS

Y+L amino acid transporter 1 (SLC7A7); Rat Y+L amino acid transporter 1 (SLC7A7) ELISA Kit; SLC7A7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SLC7A7 elisa kit

Intended Uses: This SLC7A7 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat SLC7A7. This ELISA kit for research use only!

Principle of the Assay: SLC7A7 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-SLC7A7 antibody and an SLC7A7-HRP conjugate. The assay sample and buffer are incubated together with SLC7A7-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 SLC7A7 concentration since SLC7A7 from samples and SLC7A7-HRP conjugate compete for the anti-SLC7A7 antibody binding site. Since the number of sites is limited, as more sites are occupied by SLC7A7 from the sample, fewer sites are left to bind SLC7A7-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SLC7A7 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	186910308
NCBI GeneID	9056
NCBI Accession #	NP_001119578.1

NCBI GenBank Nucleotide #	NM_001126106.2
Molecular Weight	55,991 Da
NCBI Official Full Name	Y+L amino acid transporter 1
NCBI Official Synonym Full Names	solute carrier family 7 (amino acid transporter light chain, y+L system), member 7
NCBI Official Symbol	SLC7A7
NCBI Official Synonym Symbols	LPI; LAT3; MOP-2; Y+LAT1; y+LAT-1
NCBI Protein Information	Y+L amino acid transporter 1; Y+L amino acid transporter 1; monocyte amino acid permease 2; y(+)L-type amino acid transporter 1; solute carrier family 7 (cationic amino acid transporter, y+ system), member 7
UniProt Protein Name	Y+L amino acid transporter 1
UniProt Gene Name	SLC7A7
UniProt Synonym Gene Names	MOP-2; Y+LAT1; y+LAT-1
UniProt Entry Name	YLAT1_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/rat-elisa-kits/yl-amino-acid-transporter-1-slc7a7/245322>