

Chicken Cystine/glutamate transporter (SLC7A11) ELISA Kit | SLC7A11 elisa kit

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CATALOG #
AAA245980

REACTIVITY
Chicken

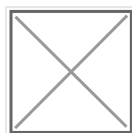
PRODUCT SYNONYMS

Cystine/glutamate transporter (SLC7A11); Chicken Cystine/glutamate transporter (SLC7A11) ELISA Kit; SLC7A11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This SLC7A11 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken SLC7A11. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SLC7A11 elisa kit

Principle of the assay: SLC7A11 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SLC7A11 antibody and an SLC7A11-HRP conjugate. The assay sample and buffer are incubated together with SLC7A11-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 SLC7A11 concentration since SLC7A11 from samples and SLC7A11-HRP conjugate compete for the anti-SLC7A11 antibody binding site. Since the number of sites is limited, as more sites are occupied by SLC7A11 from the sample, fewer sites are left to bind SLC7A11-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SLC7A11 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657683
NCBI GeneID	23657
NCBI Accession #	NP_055146.1
NCBI GenBank Nucleotide #	NM_014331.3

Molecular Weight	55,423 Da
NCBI Official Full Name	cystine/glutamate transporter
NCBI Official Synonym Full Names	solute carrier family 7 (anionic amino acid transporter light chain, xc- system), member 11
NCBI Official Symbol	SLC7A11
NCBI Official Synonym Symbols	xCT; CCBR1
NCBI Protein Information	cystine/glutamate transporter; amino acid transport system xc-; solute carrier family 7 member 11; calcium channel blocker resistance protein CCBR1; solute carrier family 7, (cationic amino acid transporter, y+ system) member 11
UniProt Protein Name	Cystine/glutamate transporter
UniProt Gene Name	SLC7A11
UniProt Entry Name	XCT_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/chicken-elisa-kits/cystine-glutamate-transporter-slc7a11/245980>