

Rat ADP/ATP translocase 1 (SLC25A4) ELISA Kit | SLC25A4 elisa kit

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CATALOG #
AAA245770

REACTIVITY
Rat

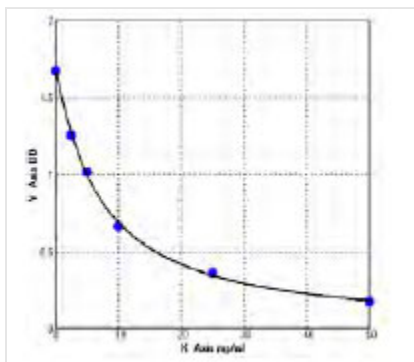
PRODUCT SYNONYMS

ADP/ATP translocase 1 (SLC25A4); Rat ADP/ATP translocase 1 (SLC25A4) ELISA Kit; SLC25A4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of SLC25A4. No significant cross-reactivity or interference between SLC25A4 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SLC25A4 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SLC25A4 elisa kit	Intended Uses: This SLC25A4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat SLC25A4. This ELISA kit for research use only! Principle of the Assay: SLC25A4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-SLC25A4 antibody and an SLC25A4-HRP conjugate. The assay sample and buffer are incubated together with SLC25A4-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 SLC25A4 concentration since SLC25A4 from samples and SLC25A4-HRP conjugate compete for the anti-SLC25A4 antibody binding site. Since the number of sites is limited, as more sites are occupied by SLC25A4 from the sample, fewer sites are left to bind SLC25A4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SLC25A4 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	55749577
NCBI GeneID	291
NCBI Accession #	NP_001142.2
NCBI GenBank Nucleotide #	NM_001151.3
Molecular Weight	33,064 Da
NCBI Official Full Name	ADP/ATP translocase 1
NCBI Official Synonym Full Names	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4
NCBI Official Symbol	SLC25A4
NCBI Official Synonym Symbols	1; T1; ANT; AAC1; ANT1; PEO2; PEO3; ANT 1; MTDPS12
NCBI Protein Information	ADP/ATP translocase 1; ADP,ATP carrier protein 1; solute carrier family 25 member 4; heart/skeletal muscle ATP/ADP translocator; ADP,ATP carrier protein, heart/skeletal muscle; adenine nucleotide translocator 1 (skeletal muscle)
UniProt Protein Name	ADP/ATP translocase 1
UniProt Gene Name	SLC25A4
UniProt Synonym Gene Names	ANT1; ANT 1
UniProt Entry Name	ADT1_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.