

Human Calcium binding mitochondrial carrier protein Aralar2 (SLC25A13) ELISA Kit | SLC25A13 elisa kit

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CATALOG #
AAA245907

REACTIVITY
Human

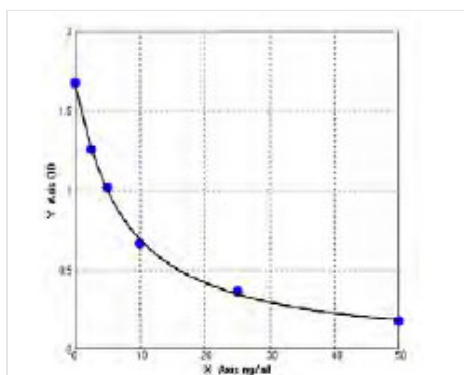
PRODUCT SYNONYMS

Calcium binding mitochondrial carrier protein Aralar2 (SLC25A13); Human Calcium binding mitochondrial carrier protein Aralar2 (SLC25A13) ELISA Kit; SLC25A13 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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 SLC25A13 elisa kit

Intended Uses: This SLC25A13 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human SLC25A13. This ELISA kit for research use only!

Principle of the Assay: SLC25A13 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-SLC25A13 antibody and an SLC25A13-HRP conjugate. The assay sample and buffer are incubated together with SLC25A13-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 SLC25A13 concentration since SLC25A13 from samples and SLC25A13-HRP conjugate compete for the anti-SLC25A13 antibody binding site. Since the number of sites is limited, as more sites are occupied by SLC25A13 from the sample, fewer sites are left to bind SLC25A13-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SLC25A13 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657581
NCBI GeneID	10165
NCBI Accession #	NP_055066.1
NCBI GenBank Nucleotide #	NM_014251.2
Molecular Weight	74,304 Da
NCBI Official Full Name	calcium-binding mitochondrial carrier protein Aralar2 isoform 2
NCBI Official Synonym Full Names	solute carrier family 25 (aspartate/glutamate carrier), member 13
NCBI Official Symbol	SLC25A13
NCBI Official Synonym Symbols	CTLN2; CITRIN; ARALAR2
NCBI Protein Information	calcium-binding mitochondrial carrier protein Aralar2; mitochondrial aspartate glutamate carrier 2; solute carrier family 25, member 13 (citrin)
UniProt Protein Name	Calcium-binding mitochondrial carrier protein Aralar2
UniProt Gene Name	SLC25A13
UniProt Synonym Gene Names	ARALAR2
UniProt Entry Name	CMC2_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/human-elisa-kits/calcium-binding-mitochondrial-carrier-protein-aralar2-slc25a13/245907>