

Human Aspartyl tRNA synthetase, mitochondrial (DARS2) ELISA Kit | DARS2 elisa kit

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CATALOG #
AAA245547

REACTIVITY
Human

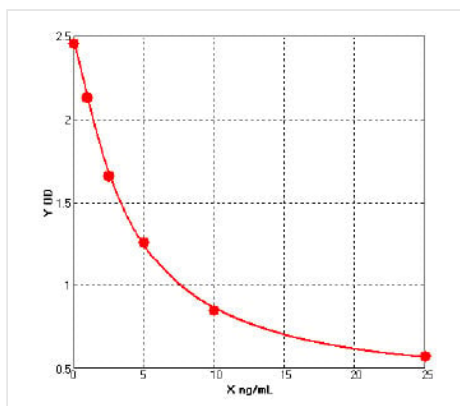
PRODUCT SYNONYMS

Aspartyl tRNA synthetase; mitochondrial (DARS2); Human Aspartyl tRNA synthetase; mitochondrial (DARS2) ELISA Kit; DARS2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of DARS2. No significant cross-reactivity or interference between DARS2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between DARS2 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 DARS2 elisa kit	Intended Uses: This DARS2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human DARS2. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: DARS2 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-DARS2 antibody and an DARS2-HRP conjugate. The assay sample and buffer are incubated together with DARS2-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 enzymesubstrate 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 DARS2 concentration since DARS2 from samples and DARS2-HRP conjugate compete for the anti-DARS2 antibody binding site. Since the number of sites is limited, as more sites are occupied by DARS2 from the sample, fewer sites are left to bind DARS2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DARS2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for DARS2 elisa kit	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	40789249
NCBI GeneID	55157
NCBI Accession #	NP_060592.2
NCBI GenBank Nucleotide #	NM_018122.4
Molecular Weight	73,563 Da
NCBI Official Full Name	aspartate--tRNA ligase, mitochondrial
NCBI Official Synonym Full Names	aspartyl-tRNA synthetase 2, mitochondrial
NCBI Official Symbol	DARS2
NCBI Official Synonym Symbols	LBSL; ASPRS; MT-ASPRS
NCBI Protein Information	aspartate--tRNA ligase, mitochondrial; aspartate tRNA ligase 2, mitochondrial; aspartyl-tRNA synthetase, mitochondrial
UniProt Protein Name	Aspartate--tRNA ligase, mitochondrial
UniProt Gene Name	DARS2
UniProt Synonym Gene Names	AspRS
UniProt Entry Name	SYDM_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://www.aaabiotech.com/human-elisa-kits/aspartyl-trna-synthetase-mitochondrial-dars2/245547>