

Mouse Alanyl-tRNA synthetase, mitochondrial (AARS2) ELISA Kit | AARS2 elisa kit

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CATALOG #
AAA246943

REACTIVITY
Mouse

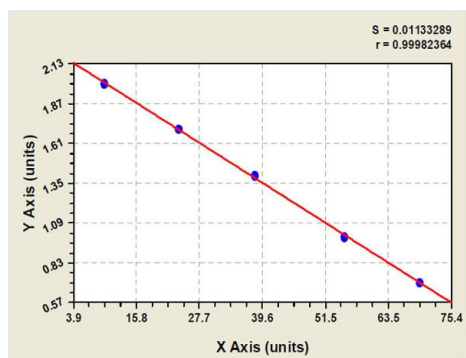
PRODUCT SYNONYMS

Alanyl-tRNA synthetase; mitochondrial (AARS2); Mouse Alanyl-tRNA synthetase; mitochondrial (AARS2) ELISA Kit; AARS2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This AARS2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse AARS2. 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 AARS2 elisa kit

Principle of the assay: AARS2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-AARS2 antibody and an AARS2-HRP conjugate. The assay sample and buffer are incubated together with AARS2-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 AARS2 concentration since AARS2 from samples and AARS2-HRP conjugate compete for the anti-AARS2 antibody binding site. Since the number of sites is limited, as more sites are occupied by AARS2 from the sample, fewer sites are left to bind AARS2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AARS2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for AARS2 elisa kit

[Epigenetics and Nuclear Signaling](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	300794887
NCBI GeneID	786099
NCBI Accession #	NP_001178140.1
NCBI GenBank Nucleotide #	NM_001191211.1
NCBI Official Full Name	alanyl-tRNA synthetase, mitochondrial
NCBI Official Synonym Full Names	alanyl-tRNA synthetase 2, mitochondrial (putative)<
NCBI Official Symbol	AARS2
NCBI Protein Information	alanyl-tRNA synthetase, mitochondrial

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/mouse-elisa-kits/alanyl-trna-synthetase-mitochondrial-aars2/246943>