

Mouse Alanyl-tRNA synthetase, cytoplasmic (AARS) ELISA Kit | AARS elisa kit

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CATALOG #
AAA245793

REACTIVITY
Mouse

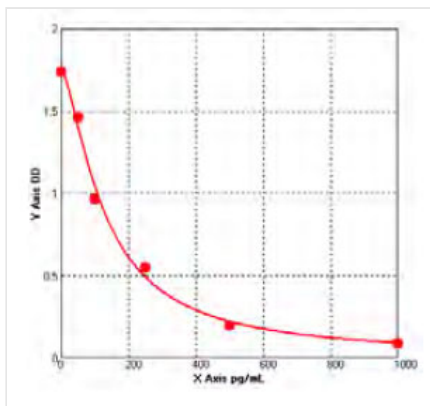
PRODUCT SYNONYMS

Alanyl-tRNA synthetase; cytoplasmic (AARS); Mouse Alanyl-tRNA synthetase; cytoplasmic (AARS) ELISA Kit; AARS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of AARS. No significant cross-reactivity or interference between AARS and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between AARS 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	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AARS elisa kit	Intended Uses: This AARS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse AARS. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: AARS ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-AARS antibody and an AARS-HRP conjugate. The assay sample and buffer are incubated together with AARS-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 AARS concentration since AARS from samples and AARS-HRP conjugate compete for the anti-AARS antibody binding site. Since the number of sites is limited, as more sites are occupied by AARS from the sample, fewer sites are left to bind AARS-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AARS concentration in each sample is interpolated from this standard curve.
Product Categories/Family for AARS elisa kit	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	213512300
NCBI GeneID	100195049
NCBI Accession #	NP_001133550.1
NCBI GenBank Nucleotide #	NM_001140078.1
NCBI Official Full Name	Alanyl-tRNA synthetase, cytoplasmic
NCBI Official Symbol	syac
NCBI Protein Information	Alanyl-tRNA synthetase, cytoplasmic

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-cytoplasmic-aars/245793>