

Human Alpha aminoadipic semialdehyde synthase, mitochondrial (AASS) ELISA Kit | AASS elisa kit

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CATALOG #
AAA246803

REACTIVITY
Human

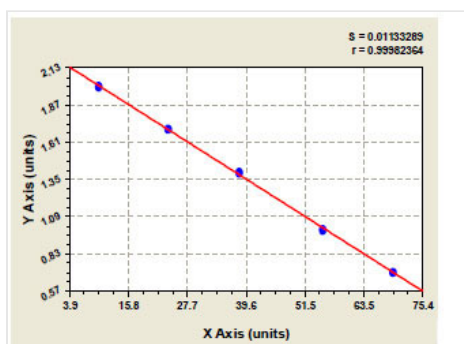
PRODUCT SYNONYMS

Alpha aminoadipic semialdehyde synthase; mitochondrial (AASS); Human Alpha aminoadipic semialdehyde synthase; mitochondrial (AASS) ELISA Kit; AASS 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 AASS elisa kit

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

Principle of the Assay: AARS ELISA kit applies the competitive enzyme immunoassay technique utilizing an 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13027640
NCBI GeneID	10157
NCBI Accession #	NP_005754.2
NCBI GenBank Nucleotide #	NM_005763.3
Molecular Weight	102,132 Da
NCBI Official Full Name	alpha-aminoadipic semialdehyde synthase, mitochondrial
NCBI Official Synonym Full Names	aminoadipate-semialdehyde synthase
NCBI Official Symbol	AASS
NCBI Official Synonym Symbols	LKRSDH; LORS DH; LKR/SDH
NCBI Protein Information	alpha-aminoadipic semialdehyde synthase, mitochondrial; lysine-2-oxoglutarate reductase; alpha-aminoadipate semialdehyde synthase; lysine-ketoglutarate reductase /saccharopine dehydrogenase
UniProt Protein Name	Alpha-aminoadipic semialdehyde synthase, mitochondrial
UniProt Gene Name	AASS
UniProt Synonym Gene Names	LKR; LOR; SDH
UniProt Entry Name	AASS_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/alpha-aminoadipic-semialdehyde-synthase-mitochondrial-aass/246803>