

Rat Argininosuccinate synthase (ASS1) ELISA Kit | ASS1 elisa kit

Rat Argininosuccinate synthase (ASS1) ELISA Kit

CATALOG #
AAA246320

REACTIVITY
Rat

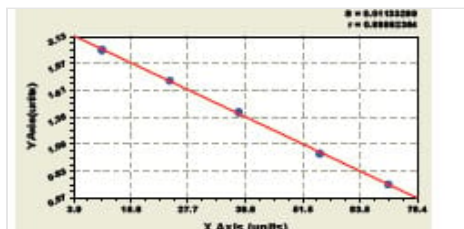
PRODUCT SYNONYMS

Argininosuccinate synthase (ASS1); Rat Argininosuccinate synthase (ASS1) ELISA Kit; ASS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	10-250ng/mL
Sensitivity	1.0ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ASS1 elisa kit

Intended Uses: This ASS1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ASS1. This ELISA kit for research use only!

Principle of the Assay||ASS1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ASS1 antibody and an ASS1-HRP conjugate. The assay sample and buffer are incubated together with ASS1-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 ASS1 concentration since ASS1 from samples and ASS1-HRP conjugate compete for the anti-ASS1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ASS1 from the sample, fewer sites are left to bind ASS1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ASS1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #

27806925

NCBI GeneID	280726
NCBI Accession #	NP_776317.1
NCBI GenBank Nucleotide #	NM_173892.4
Molecular Weight	46,417 Da
NCBI Official Full Name	argininosuccinate synthase
NCBI Official Synonym Full Names	argininosuccinate synthase 1<
NCBI Official Symbol	ASS1
NCBI Official Synonym Symbols	ASS
NCBI Protein Information	argininosuccinate synthase; citrullinemia; citrulline--aspartate ligase; argininosuccinate synthetase 1
UniProt Protein Name	Argininosuccinate synthase
UniProt Gene Name	ASS1
UniProt Synonym Gene Names	ASS
UniProt Entry Name	ASSY_BOVIN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/argininosuccinate-synthase-ass1/246320>