

Rat Argininosuccinate Synthetase 1 (ASS1) ELISA Kit | ASS1 elisa kit

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CATALOG #
AAA68505

REACTIVITY
Rat

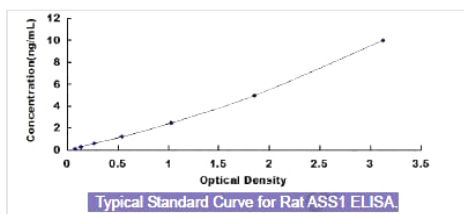
PRODUCT SYNONYMS

Argininosuccinate Synthetase 1 (ASS1); Rat Argininosuccinate Synthetase 1 (ASS1) ELISA Kit; CTLN1; Citrulline--aspartate ligase; ASS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ASS1. No significant cross-reactivity or interference between ASS1 and analogues was observed.
Sequence Length	412
Samples	Serum, plasma, tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.071ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ASS1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ASS1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ASS1 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ASS1 in rat serum, plasma, tissue homogenates or other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ASS1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ASS1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ASS1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of ASS1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	25453414
NCBI GeneID	25698
NCBI Accession #	NP_037289.1
NCBI GenBank Nucleotide #	NM_013157.3
UniProt Accession #	P09034
Molecular Weight	46,496 Da
NCBI Official Full Name	argininosuccinate synthase
NCBI Official Synonym Full Names	argininosuccinate synthase 1
NCBI Official Symbol	Ass1
NCBI Official Synonym Symbols	Ass; ASSA
NCBI Protein Information	argininosuccinate synthase
UniProt Protein Name	Argininosuccinate synthase
UniProt Gene Name	Ass1

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/rat-elisa-kits/argininosuccinate-synthetase-1-ass1/68505>