

Human argininosuccinate synthetase 1 ELISA Kit | ASS1 elisa kit

Human Argininosuccinate synthase, ASS1 ELISA Kit

CATALOG #
AAA18029

REACTIVITY
Human

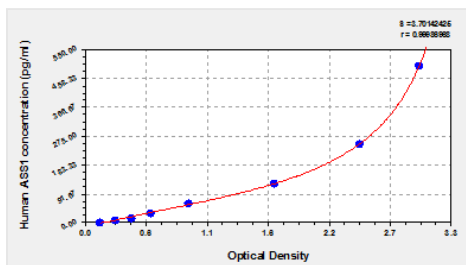
PRODUCT SYNONYMS

argininosuccinate synthetase 1; Human Argininosuccinate synthase; ASS1 ELISA Kit; Human Argininosuccinate synthase (ASS1) ELISA kit; RP11-618A20.2; ASS; CTLN1; OTTHUMP00000022363; OTTHUMP00000022364; citrulline-aspartate ligase; ASS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human ASS1. No significant cross-reactivity or interference between human ASS1 and analogues was observed.
Sequence Length	412
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates
Detection Range	7.8 pg/ml-500 pg/ml
Sensitivity	< 1.95 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ASS1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for ASS1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ASS1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ASS1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ASS1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	53759107
NCBI GeneID	445
NCBI Accession #	NP_000041.2
NCBI GenBank Nucleotide #	NM_000050.4
UniProt Accession #	P00966; Q6LDL2; Q86UZ0; Q96GT4
Molecular Weight	46,530 Da
NCBI Official Full Name	argininosuccinate synthase
NCBI Official Synonym Full Names	argininosuccinate synthase 1
NCBI Official Symbol	ASS1
NCBI Official Synonym Symbols	ASS; CTLN1
NCBI Protein Information	argininosuccinate synthase; citrulline-aspartate ligase; citrulline--aspartate ligase; argininosuccinate synthetase 1
UniProt Protein Name	Argininosuccinate synthase
UniProt Gene Name	ASS1
UniProt Synonym Gene Names	ASS
UniProt Entry Name	ASSY_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/ass1-human-elisa-kits/argininosuccinate-synthetase-1/18029>