

Human glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1) ELISA Kit | GOT1 elisa kit

Human Aspartate aminotransferase, AST ELISA Kit

CATALOG #
AAA79652

REACTIVITY
Human

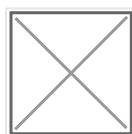
PRODUCT SYNONYMS

glutamic-oxaloacetic transaminase 1; soluble (aspartate aminotransferase 1); Human Aspartate aminotransferase; AST ELISA Kit; GIG18; aspartate aminotransferase 1; growth-inhibiting protein 18; GOT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human AST. No significant cross-reactivity or interference between human AST and analogues was observed.
Sequence Length	413
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates
Detection Range	0.312 mU/ml-20 mU/ml
Sensitivity	< 0.078 mU/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 GOT1 elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for AST has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any AST present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for AST 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 AST bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504067
NCBI GeneID	2805
NCBI Accession #	NP_002070.1
NCBI GenBank Nucleotide #	NM_002079.2
UniProt Accession #	P17174; Q5VW80; B2R6R7; B7Z7E9
Molecular Weight	46,248 Da
NCBI Official Full Name	aspartate aminotransferase, cytoplasmic
NCBI Official Synonym Full Names	glutamic-oxaloacetic transaminase 1, soluble
NCBI Official Symbol	GOT1
NCBI Official Synonym Symbols	cCAT; GIG18; cAspAT; ASTQTL1
NCBI Protein Information	aspartate aminotransferase, cytoplasmic; transaminase A; aspartate transaminase 1; aspartate aminotransferase 1; growth-inhibiting protein 18; cysteine transaminase, cytoplasmic; glutamate oxaloacetate transaminase 1; cysteine aminotransferase, cytoplasmic
UniProt Protein Name	Aspartate aminotransferase, cytoplasmic
UniProt Gene Name	GOT1
UniProt Synonym Gene Names	cAspAT; cCAT
UniProt Entry Name	AATC_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/got1-human-elisa-kits/glutamic-oxaloacetic-transaminase-1-soluble-aspartate-aminotransferase-1/79652>