

Mouse Aspartate Aminotransferase (AST) RTU ELISA Kit | AST rtu elisa kit

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CATALOG #
AAA69241

REACTIVITY
Mouse

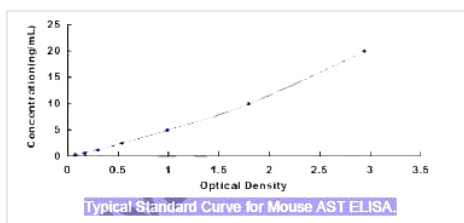
PRODUCT SYNONYMS

Aspartate Aminotransferase (AST); Mouse Aspartate Aminotransferase (AST) ELISA Kit; cCAT; AAT; ASAT; SGOT; GOT1; Cysteine transaminase; cytoplasmic; Transaminase A; Aspartate Transaminase 1; Cytoplasmic; Glutamic-Oxaloacetic Transaminase 1; Soluble; AST rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of AST. No significant cross-reactivity or interference between AST and analogues was observed.
Sequence Length	413
Samples	Mouse serum, plasma, tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	<0.118ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level AST 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 AST were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AST rtu elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of AST in mouse 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 AST. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to AST. 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 AST, 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 AST in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	160298209
NCBI GeneID	14718
NCBI Accession #	NP_034454.2
NCBI GenBank Nucleotide #	NM_010324.2
UniProt Accession #	P05201; Q3UJH8
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; Got-1; cAspAT; AI789014
NCBI Protein Information	aspartate aminotransferase, cytoplasmic
UniProt Protein Name	Aspartate aminotransferase, cytoplasmic
UniProt Gene Name	Got1
UniProt Synonym Gene Names	cAspAT; cCAT

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/mouse-rtu-elisa-kits/aspartate-aminotransferase-ast/69241>