

Pig Aspartate Aminotransferase (AST) ELISA Kit | AST elisa kit

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CATALOG #
AAA149938

REACTIVITY
Pig

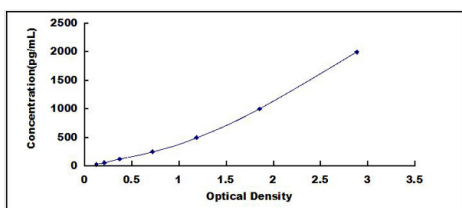
PRODUCT SYNONYMS

Aspartate Aminotransferase (AST); Pig 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 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Pig
Specificity	This assay has high sensitivity and excellent specificity for detection of Aspartate Aminotransferase (AST). No significant cross-reactivity or interference between Aspartate Aminotransferase (AST) and analogues was observed.
Sequence Length	428
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.126ng/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Aspartate Aminotransferase (AST) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Aspartate Aminotransferase (AST) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AST elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Aspartate Aminotransferase (AST). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Aspartate Aminotransferase (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 Aspartate Aminotransferase (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 Aspartate Aminotransferase (AST) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for AST elisa kit	Enzyme & Kinase; Tumor Immunity; Infection Immunity; Hepatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	30681649
NCBI GeneID	816758
NCBI GenBank Nucleotide #	NP_850022.1
UniProt Accession #	Q9SIE1
NCBI Official Full Name	aspartate aminotransferase
NCBI Official Symbol	AAT
NCBI Official Synonym Symbols	aspartate aminotransferase; ASPARTATE AMINOTRANSFERASE; ATAAT; MATERNAL EFFECT EMBRYO ARREST 17; MEE17; T26C19.9; T26C19_9
NCBI Protein Information	aspartate aminotransferase
UniProt Protein Name	Bifunctional aspartate aminotransferase and glutamate/aspartate-prephenate aminotransferase
UniProt Gene Name	PAT
UniProt Synonym Gene Names	AAT; MEE17; AtAAT; AtPPA-AT

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.