

Rat Aspartate Aminotransferase ELISA Kit | AST elisa kit

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CATALOG #
AAA84205

REACTIVITY
Rat

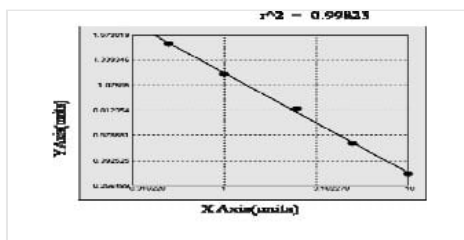
PRODUCT SYNONYMS

Aspartate Aminotransferase; Rat Aspartate Aminotransferase ELISA Kit; AST elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	10-250ng/mL
Sensitivity	1.0ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AST elisa kit

Intended Uses: This AST ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat AST. This ELISA kit for research use only!

Principle of the Assay: AST ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-AST antibody and an AST-HRP conjugate. The assay sample and buffer are incubated together with AST-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the AST concentration since AST from samples and AST-HRP conjugate compete for the anti-AST antibody binding site. Since the number of sites is limited, as more sites are occupied by AST from the sample, fewer sites are left to bind AST-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AST concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #

351721732

NCBI GeneID	547792
NCBI Accession #	NP_001237987.1
NCBI GenBank Nucleotide #	NM_001251058.1
NCBI Official Full Name	aspartate aminotransferase
NCBI Official Symbol	LOC547792
NCBI Protein Information	aspartate aminotransferase; aspartate aminotransferase isozyme 5

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/ast-rat-elisa-kits/aspartate-aminotransferase/84205>