

Mouse Alanine Aminotransferase (ALT/GPT) ELISA Kit | ALT/GPT elisa kit

Mouse Alanine Aminotransferase, ALT/GPT ELISA Kit

CATALOG # AAA80873	REACTIVITY Mouse
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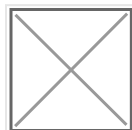
PRODUCT SYNONYMS

Alanine Aminotransferase (ALT/GPT); Mouse Alanine Aminotransferase; ALT/GPT ELISA Kit; Mouse Alanine Aminotransferase (ALT/GPT) ELISA Kit; AAT1; ALT1; GPT1; glutamic pyruvate transaminase; glutamic-alanine transaminase 1; ALT/GPT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse ALT. No significant cross-reactivity or interference between mouse ALT and analogues was observed.
Sequence Length	496
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell culture supernates, cell lysates
Detection Range	0.156 mU/ml-10 mU/ml
Sensitivity	< 0.039 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 ALT/GPT elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for ALT has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ALT present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ALT 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 ALT 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 #	33413404
NCBI GeneID	76282
NCBI Accession #	NP_877957.1
NCBI GenBank Nucleotide #	NM_182805.2
UniProt Accession #	Q8QZR5
Molecular Weight	55,143 Da
NCBI Official Full Name	alanine aminotransferase 1
NCBI Official Synonym Full Names	glutamic pyruvic transaminase, soluble
NCBI Official Symbol	Gpt
NCBI Official Synonym Symbols	ALT; Gpt1; Gpt-1; 1300007J06Rik; 2310022B03Rik
NCBI Protein Information	alanine aminotransferase 1; ALT1; GPT 1; glutamic--alanine transaminase 1; glutamic--pyruvic transaminase 1; glutamate pyruvate transaminase 1; glutamic pyruvic transaminase 1, soluble
UniProt Protein Name	Alanine aminotransferase 1
UniProt Gene Name	Gpt
UniProt Synonym Gene Names	Gpt1; ALT1; GPT 1
UniProt Entry Name	ALAT1_MOUSE

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-elisa-kits/alanine-aminotransferase-alt-gpt/80873>