

Mouse Alanine Transaminase ELISA Kit | ALT elisa kit

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CATALOG #
AAA101802

REACTIVITY
Mouse

PRODUCT SYNONYMS

Alanine Transaminase; Mouse Alanine Transaminase ELISA Kit; ALT (Alanine Transaminase)/ALAT/SGPT/alanine aminotransferase/serum glutamic pyruvic transaminase; ALT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ALPP. No significant cross-reactivity or interference between ALPP and analogues was observed.
Sequence Length	486
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ALPPwere tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ALPPwere tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a ALT ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A-not applicable)

X	ng/ml	0	0.156	0.312	0.625	1.25	2.5	5	10
Y	OD450	0.115	0.54	0.864	1.104	1.462	1.692	1.896	2.12

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALT elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-ALPPantibody was pre-coated onto 96-well plates. And the biotin conjugated anti-ALPP antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the ALPP amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of ALPP can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	349942640
Molecular Weight	53,983 Da
NCBI Official Full Name	alanine transaminase
UniProt Protein Name	Alanine transaminase
UniProt Gene Name	CLF_105569
UniProt Entry Name	H2KR63_CLOSI

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/alt-mouse-elisa-kits/alanine-transaminase/101802>