

Rat Alanine Transaminase ELISA Kit | ALT elisa kit

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CATALOG #
AAA102044

REACTIVITY
Rat

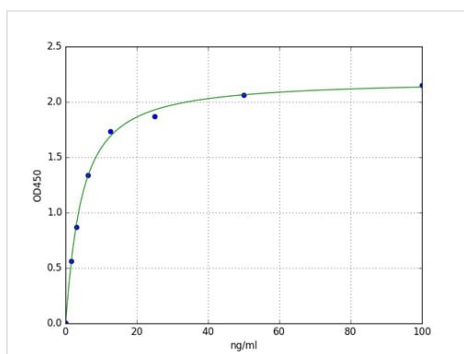
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	486
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	1.563-100ng/ml
Sensitivity	0.938ng/ml
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



Standard Curve (Sample)

Results of a typical standard run of a Rat ALT ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	1.563	3.125	6.25	12.5	25	50	100
Y	OD450	0.004	0.545	0.901	1.430	1.676	2.100	1.698	2.164

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-Rat ALT antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat ALT 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 Rat ALT amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat ALT 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/alt-rat-elisa-kits/alanine-transaminase/102044>