

Human Alanine aminotransferase 2 ELISA Kit | GPT2 elisa kit

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CATALOG #
AAA97794

REACTIVITY
Human

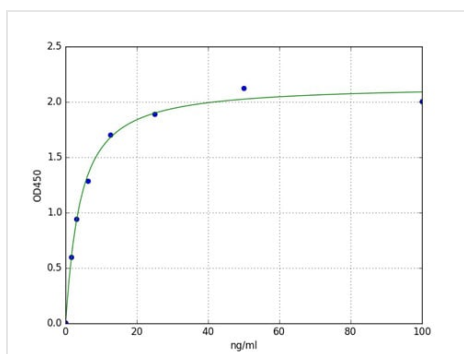
PRODUCT SYNONYMS

Alanine aminotransferase 2; Human Alanine aminotransferase 2 ELISA Kit; GPT2/AAT2 (Alanine aminotransferase 2)/ALT2/Glutamic--pyruvic transaminase 2/Glutamate pyruvate transaminase 2 (GPT 2)/Glutamic--alanine transaminase 2; GPT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	540
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10mIU/ml
Sensitivity	0.094mIU/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)

Typical Data & Standard Curve

Results of a typical standard run of a AAT2 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	0.122	0.185	0.239	0.362	0.542	0.875	1.348	1.966

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GPT2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-AAT2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- AAT2 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 AAT2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of AAT2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	30698866
NCBI GeneID	843565
NCBI Accession #	NP_565040.2
NCBI GenBank Nucleotide #	NM_105892.4
NCBI Official Full Name	alanine aminotransferase 2
NCBI Official Symbol	ALAAT2
NCBI Official Synonym Symbols	alanine aminotransferase 2; ALANINE AMINOTRANSFERASE 2; T10D10.20; T10D10_20
NCBI Protein Information	alanine aminotransferase 2

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://www.aaabiotech.com/gpt2-human-elisa-kits/alanine-aminotransferase-2/97794>