

Human Alanine aminotransferase 2 (GPT2) ELISA Kit | GPT2 elisa kit

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CATALOG #
AAA56047

REACTIVITY
Human

PRODUCT SYNONYMS

Alanine aminotransferase 2 (GPT2); Human Alanine aminotransferase 2 (GPT2) ELISA Kit; ALT2; alanine aminotransferase 2; glutamic pyruvate transaminase 2; glutamic--alanine transaminase; glutamic--pyruvic transaminase; glutamic-pyruvate transaminase 2; GPT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human GPT2. No significant cross-reactivity or interference between Human GPT2 and analogues was observed.
Sequence Length	423
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.31 mIU/mL - 20 mIU/mL
Sensitivity	0.15 mIU/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for GPT2 elisa kit	Intended Uses: For the quantitative detection of Human Alanine aminotransferase 2 (GPT2) concentration in serum, plasma and other biological fluids. Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate GPT2 in Human serum, plasma. An antibody specific for GPT2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any GPT2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GPT2 is added to the wells. After washing, Streptavidin 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 GPT2 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 #	215599424
NCBI GeneID	84706
NCBI Accession #	NP_001135938.1
NCBI GenBank Nucleotide #	NM_001142466.2

UniProt Accession #	Q8TD30; Q8N9E2
Molecular Weight	46,983 Da
NCBI Official Full Name	alanine aminotransferase 2 isoform 2
NCBI Official Synonym Full Names	glutamic--pyruvic transaminase 2
NCBI Official Symbol	GPT2
NCBI Official Synonym Symbols	ALT2; GPT 2; MRT49
NCBI Protein Information	alanine aminotransferase 2
UniProt Protein Name	Alanine aminotransferase 2
UniProt Gene Name	GPT2
UniProt Synonym Gene Names	AAT2; ALT2; ALT2; GPT 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/alanine-aminotransferase-2-gpt2/56047>