

Sheep Glutamic Pyruvic Transaminase ELISA Kit | GPT elisa kit

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CATALOG #
AAA90326

REACTIVITY
Sheep

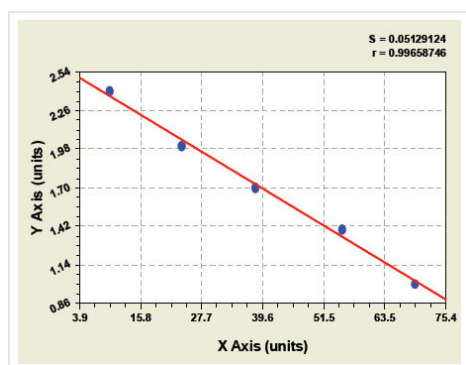
PRODUCT SYNONYMS

Glutamic Pyruvic Transaminase; Sheep Glutamic Pyruvic Transaminase ELISA Kit; GPT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 U/L.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GPT elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This GPI/ALT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep GPI/ALT. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY GPI/ALT ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GPI/ALT antibody and an GPI/ALT-HRP conjugate. The assay sample and buffer are incubated together with GPI/ALT-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GPI/ALT concentration since GPI/ALT from samples and GPI/ALT-HRP conjugate compete for the anti-GPI/ALT antibody binding site. Since the number of sites is limited, as more sites are occupied by GPI/ALT from the sample, fewer sites are left to bind GPI/ALT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GPI/ALT concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885351
NCBI GeneID	2875
NCBI Accession #	NP_005300.1
NCBI GenBank Nucleotide #	NM_005309.2
Molecular Weight	54,637 Da
NCBI Official Full Name	alanine aminotransferase 1
NCBI Official Synonym Full Names	glutamic-pyruvate transaminase (alanine aminotransferase)
NCBI Official Symbol	GPT
NCBI Official Synonym Symbols	AAT1; ALT1; GPT1
NCBI Protein Information	alanine aminotransferase 1; GPT 1; glutamic-alanine transaminase 1; glutamic--alanine transaminase 1; glutamic--pyruvic transaminase 1; glutamate pyruvate transaminase 1
UniProt Protein Name	Alanine aminotransferase 1
UniProt Gene Name	GPT
UniProt Synonym Gene Names	AAT1; GPT1; ALT1; GPT 1
UniProt Entry Name	ALAT1_HUMAN

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/gpt-sheep-elisa-kits/glutamic-pyruvic-transaminase/90326>