

Guinea Pig Glutathione S Transferase Alpha 1 ELISA Kit | GSTa1 elisa kit

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CATALOG #
AAA82293

REACTIVITY
Guinea Pig

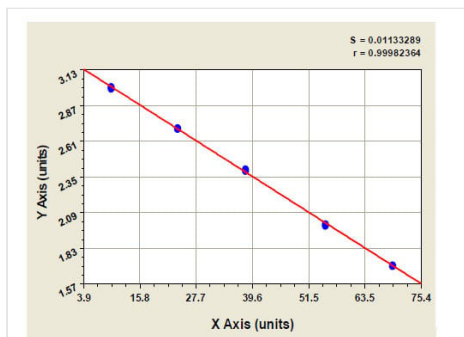
PRODUCT SYNONYMS

Glutathione S Transferase Alpha 1; Guinea pig Glutathione S Transferase Alpha 1 ELISA Kit; GSTa1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This GSTA1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig GSTA1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GSTa1 elisa kit

Principle of the assay: GSTA1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GSTA1 antibody and an GSTA1-HRP conjugate. The assay sample and buffer are incubated together with GSTA1-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 GSTA1 concentration since GSTA1 from samples and GSTA1-HRP conjugate compete for the anti-GSTA1 antibody binding site. Since the number of sites is limited, as more sites are occupied by GSTA1 from the sample, fewer sites are left to bind GSTA1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GSTA1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	22091454
NCBI GeneID	2938
NCBI Accession #	NP_665683.1
NCBI GenBank Nucleotide #	NM_145740.3
Molecular Weight	25,631 Da
NCBI Official Full Name	glutathione S-transferase A1
NCBI Official Synonym Full Names	glutathione S-transferase alpha 1
NCBI Official Symbol	GSTA1
NCBI Official Synonym Symbols	GST2; GTH1; GSTA1-1
NCBI Protein Information	glutathione S-transferase A1; GST-epsilon; GST HA subunit 1; GST, class alpha, 1; GST class-alpha member 1; glutathione S-transferase 2; glutathione S-aryltransferase A1; glutathione S-alkyltransferase A1; S-(hydroxyalkyl)glutathione lyase A1; glutathione S-transferase Ha subunit 1
UniProt Protein Name	Glutathione S-transferase A1
UniProt Gene Name	GSTA1
UniProt Entry Name	GSTA1_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/gsta1-guinea-pig-pig-elisa-kits/glutathione-s-transferase-alpha-1/82293>