

Rat Glutathione S Transferase Theta 2 ELISA Kit | GSTt2 elisa kit

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CATALOG #
AAA84157

REACTIVITY
Rat

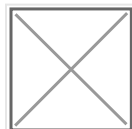
PRODUCT SYNONYMS

Glutathione S Transferase Theta 2; Rat Glutathione S Transferase Theta 2 ELISA Kit; GSTt2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100 U/L
Sensitivity	1.0 U/L
Intended Uses	This GSTT2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat GSTT2. 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 GSTt2 elisa kit

Principle of the Assay: GSTT2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GSTT2 antibody and an GSTT2-HRP conjugate. The assay sample and buffer are incubated together with GSTT2-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 GSTT2 concentration since GSTT2 from samples and GSTT2-HRP conjugate compete for the anti-GSTT2 antibody binding site. Since the number of sites is limited, as more sites are occupied by GSTT2 from the sample, fewer sites are left to bind GSTT2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GSTT2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	215276987
NCBI GeneID	2939
NCBI Accession #	NP_000837.3

NCBI GenBank Nucleotide #	NM_000846.4
Molecular Weight	25,664 Da
NCBI Official Full Name	glutathione S-transferase A2
NCBI Official Synonym Full Names	glutathione S-transferase alpha 2
NCBI Official Symbol	GSTA2
NCBI Official Synonym Symbols	GST2; GTA2; GTH2; GSTA2-2
NCBI Protein Information	glutathione S-transferase A2; GST-gamma; liver GST2; GST HA subunit 2; GST class-alpha member 2; glutathione S-aryltransferase A2; glutathione S-alkyltransferase A2; glutathione S-aralkyltransferase A2; S-(hydroxyalkyl)glutathione lyase A2
UniProt Protein Name	Glutathione S-transferase A2
UniProt Gene Name	GSTA2
UniProt Synonym Gene Names	GST2
UniProt Entry Name	GSTA2_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/gstt2-rat-elisa-kits/glutathione-s-transferase-theta-2/84157>