

Rat Glutathione S-transferase alpha-1 ELISA Kit | Gsta1 elisa kit

Rat alpha-glutathione S-transferases, alpha-GST ELISA Kit

CATALOG #
AAA80410

REACTIVITY
Rat

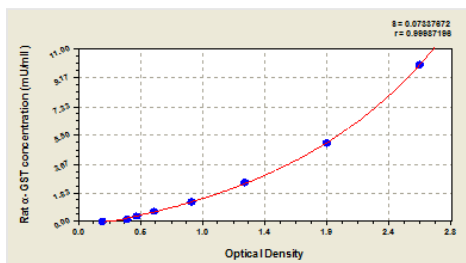
PRODUCT SYNONYMS

Glutathione S-transferase alpha-1; Rat alpha-glutathione S-transferases; alpha-GST ELISA Kit; GST2; GSTA1-1; GTH1; MGC131939; GST; class alpha; 1; GST-epsilon; S- (hydroxyalkyl) glutathione lyase A1; glutathione S-alkyltransferase A1; glutathione S-aryltransferase A1; glutathione S-transferase 2; Gsta1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat alpha-GST. No significant cross-reactivity or interference between rat alpha-GST and analogues was observed.
Sequence Length	222
Samples	Serum, plasma, tissue homogenates, cell lysates.
Assay Type	Sandwich
Detection Range	0.156 mU/ml -10 mU/ml.
Sensitivity	0.039 mU/ml.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Gsta1 elisa kit	Principle of the Assay This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for alpha-GST has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any alpha-GST present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for alpha-GST is added to the wells. After washing, avidin 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 alpha-GST 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 #	51036637
NCBI GeneID	24422
NCBI Accession #	NP_058709.2
NCBI GenBank Nucleotide #	NM_017013.4
UniProt Accession #	P00502; Q6AZ72
Molecular Weight	25,607 Da
NCBI Official Full Name	glutathione S-transferase alpha-1
NCBI Official Synonym Full Names	glutathione S-transferase alpha 2
NCBI Official Symbol	Gsta2
NCBI Official Synonym Symbols	Gsta1
NCBI Protein Information	glutathione S-transferase alpha-1; GST B; GST 1-1; GST Ya1; GST A1-1; ligandin; GST 1a-1a; glutathione S-transferase A2; glutathione S-transferase Ya-1; glutathione S-transferase Ya subunit; glutathione-S-transferase, alpha type2; Glutathione-S-transferase alpha type (Yc?)
UniProt Protein Name	Glutathione S-transferase alpha-1
UniProt Gene Name	Gsta1
UniProt Synonym Gene Names	GST Ya1
UniProt Entry Name	GSTA1_RAT

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-rat-elisa-kits/glutathione-s-transferase-alpha-1/80410>