

Human Glutathione S Transferase Alpha 2 (GSTa2) ELISA Kit | GSTa2 elisa kit

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CATALOG #
AAA139486

REACTIVITY
Human

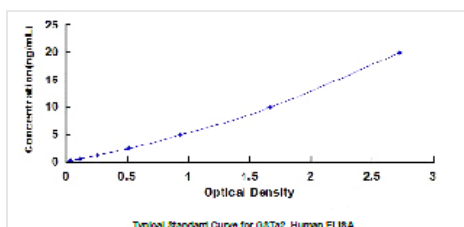
PRODUCT SYNONYMS

Glutathione S Transferase Alpha 2 (GSTa2); Human Glutathione S Transferase Alpha 2 (GSTa2) ELISA Kit; GST-A2; GST2; GSTA2-2; GTA2; GTH2; GSTa2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GSTa2. No significant cross-reactivity or interference between GSTa2 and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between GSTa2 and all the analogues, therefore, cross reaction may still exist.
Sequence Length	222
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.125ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GSTa2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GSTa2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GSTa2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GSTa2 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to GSTa2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to GSTa2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain GSTa2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of GSTa2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for GSTa2 elisa kit	Enzyme & Kinase; Metabolic pathway; Tumor immunity; Hepatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	12804085
NCBI GeneID	2939
UniProt Accession #	P09210; Q12759; Q16491; Q9NTY6
Molecular Weight	25,664 Da
NCBI Official Full Name	Glutathione S-transferase alpha 2
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
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/human-elisa-kits/glutathione-s-transferase-alpha-2-gsta2/139486>