

Rat Glutathione S Transferase Alpha 1 (GSTa1) ELISA Kit | GSTa1 elisa kit

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CATALOG #
AAA66496

REACTIVITY
Rat

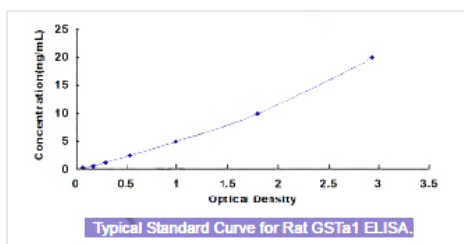
PRODUCT SYNONYMS

Glutathione S Transferase Alpha 1 (GSTa1); Rat Glutathione S Transferase Alpha 1 (GSTa1) ELISA Kit; A26C2; POTE14; POTE14alpha; CT104.4; ANKRD26-Like Family C Member 2; Cancer/Testis Antigen Family 104; GSTa1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of GSTa1. No significant cross-reactivity or interference between GSTa1 and analogues was observed.
Sequence Length	222
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.132ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GSTa1 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 GSTa1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GSTa1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GSTa1 in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GSTa1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GSTa1. 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 GSTa1, 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 GSTa1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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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
UniProt Protein Name	Glutathione S-transferase alpha-1
UniProt Gene Name	Gsta1
UniProt Synonym Gene Names	GST Ya1

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/rat-elisa-kits/glutathione-s-transferase-alpha-1-gsta1/66496>