

Rat Glutathione S Transferases ELISA Kit | GSTpi elisa kit

Rat Glutathione S Transferases ELISA Kit

CATALOG #
AAA82986

REACTIVITY
Rat

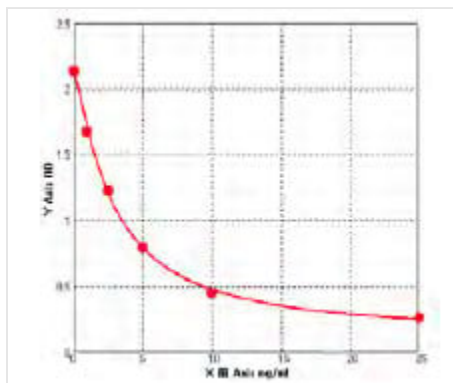
PRODUCT SYNONYMS

Glutathione S Transferases; Rat Glutathione S Transferases ELISA Kit; GSTpi elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of GSTpi. No significant cross-reactivity or interference between GSTpi and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GSTpi and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GSTpi elisa kit	Intended Uses: This GSTpi ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat GSTpi. This ELISA kit for research use only! Principle of the Assay: GSTpi ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-GSTpi antibody and an GSTpi-HRP conjugate. The assay sample and buffer are incubated together with GSTpi-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 GSTpi concentration since GSTpi from samples and GSTpi-HRP conjugate compete for the anti-GSTpi antibody binding site. Since the number of sites is limited, as more sites are occupied by GSTpi from the sample, fewer sites are left to bind GSTpi-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GSTpi concentration in each sample is interpolated from this standard curve.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	83725252
Molecular Weight	24,506 Da
NCBI Official Full Name	Glutathione-S-transferases
UniProt Protein Name	Glutathione-S-transferases
UniProt Entry Name	A3RVP1_RALSL

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/gstpi-rat-elisa-kits/glutathione-s-transferases/82986>