

Human Glutathione ELISA Kit | GT elisa kit

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CATALOG #
AAA93751

REACTIVITY
Human

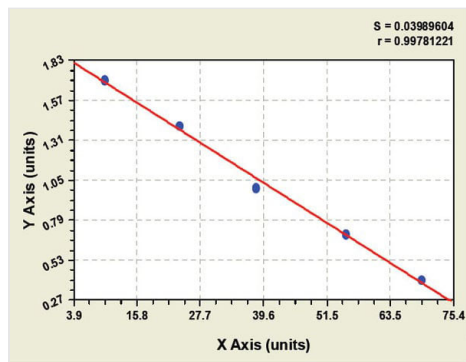
PRODUCT SYNONYMS

Glutathione; Human Glutathione ELISA Kit; GT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500 pmol/mL
Sensitivity	1.0 pmol/mL
Intended Uses	This GT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GT. 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 GT elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	333992219
NCBI GeneID	10685612
NCBI Accession #	YP_004524833.1
NCBI GenBank Nucleotide #	NC_015576.1
Molecular Weight	17,237 Da
NCBI Official Full Name	glutathione
NCBI Official Symbol	JDM601_3579
NCBI Protein Information	glutathione
UniProt Protein Name	Glutathione peroxidase
UniProt Entry Name	F5Z1C3_MYCSD

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/gt-human-elisa-kits/glutathione/93751>