

Rat Gamma Glutamyltransferase 1 ELISA Kit | gGT1 elisa kit

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CATALOG #
AAA82114

REACTIVITY
Rat

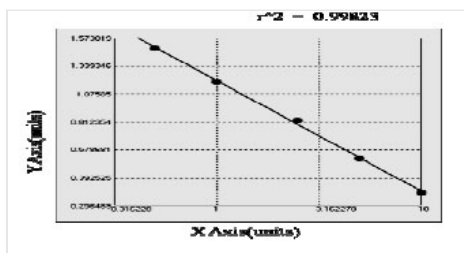
PRODUCT SYNONYMS

Gamma Glutamyltransferase 1; Rat Gamma Glutamyltransferase 1 ELISA Kit; gGT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000ng/mL
Sensitivity	1.0ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for gGT1 elisa kit

Intended Uses: This gammaGT1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat gammaGT1. This ELISA kit for research use only!

Principle of the Assay: gammaGT1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-gammaGT1 antibody and an gammaGT1-HRP conjugate. The assay sample and buffer are incubated together with gammaGT1-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 gammaGT1 concentration since gammaGT1 from samples and gammaGT1-HRP conjugate compete for the anti-gammaGT1 antibody binding site. Since the number of sites is limited, as more sites are occupied by gammaGT1 from the sample, fewer sites are left to bind gammaGT1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The gammaGT1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #

47678519

NCBI GeneID	2678
UniProt Accession #	P19440 ; Q08247 ; Q14404 ; Q8TBS1 ; Q9UMK1
Molecular Weight	24,080 Da
NCBI Official Full Name	GGT1
NCBI Official Synonym Full Names	gamma-glutamyltransferase 1
NCBI Official Symbol	GGT1
NCBI Official Synonym Symbols	GGT; GTG; CD224; GGT 1; D22S672; D22S732
NCBI Protein Information	gamma-glutamyltranspeptidase 1; glutathione hydrolase 1; leukotriene-C4 hydrolase
UniProt Protein Name	Gamma-glutamyltranspeptidase 1
UniProt Gene Name	GGT1
UniProt Synonym Gene Names	GGT; GGT 1
UniProt Entry Name	GGT1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ggt1-rat-elisa-kits/gamma-glutamyltransferase-1/82114>