

Rat Gamma-Glutamyltransferase 1 (gGT1) ELISA Kit | gGT1 elisa kit

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CATALOG #
AAA189752

REACTIVITY
Rat

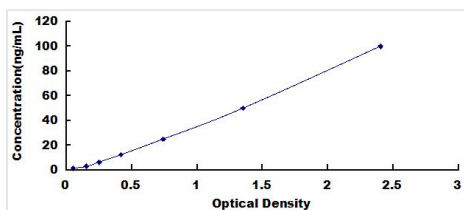
PRODUCT SYNONYMS

Gamma-Glutamyltransferase 1 (gGT1); Rat Gamma-Glutamyltransferase 1 (gGT1) ELISA Kit; CD224; G-GT1; GTG; Gamma-glutamyltranspeptidase 1; Glutathione hydrolase 1; Leukotriene-C4 hydrolase; ; gGT1/Gamma-Glutamyltransferase 1; gGT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of gGT1. No significant cross-reactivity or interference between gGT1 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, cell lysates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.57ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level gGT1 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 gGT1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months 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 gGT1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to gGT1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to gGT1. 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 gGT1, 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 $\pm$ 10nm. The concentration of gGT1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of gGT1 in rat tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for gGT1 elisa kit	Enzyme & Kinase; Infection immunity; Hepatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	145280505
NCBI GeneID	116568
NCBI Accession #	NP_446292.2
NCBI GenBank Nucleotide #	NM_053840.2
UniProt Accession #	P07314; Q63217; Q63218; Q6AZ32
Molecular Weight	61,610 Da
NCBI Official Full Name	gamma-glutamyltranspeptidase 1
NCBI Official Synonym Full Names	gamma-glutamyltransferase 1
NCBI Official Symbol	Ggt1
NCBI Official Synonym Symbols	Ggt; Ggtp; GGLUT
NCBI Protein Information	gamma-glutamyltranspeptidase 1; GGT 1; glutathione hydrolase 1; leukotriene-C4 hydrolase; gamma glutamyl-transferase 1; gamma-glutamyl transpeptidase
UniProt Protein Name	Gamma-glutamyltranspeptidase 1
UniProt Gene Name	Ggt1
UniProt Synonym Gene Names	Ggt; GGT 1
UniProt Entry Name	GGT1_RAT

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/gamma-glutamyltransferase-1-ggt1/189752>