

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

Mouse Gamma-Glutamyltransferase 1 (gGT1) Wide-range ELISA Kit

CATALOG # AAA189189	REACTIVITY Mouse	APPLICATIONS ELISA
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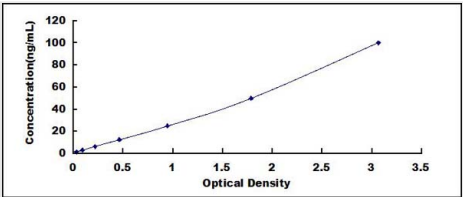
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Wide-range Gamma-Glutamyltransferase 1 (gGT1). No significant cross-reactivity or interference between Wide-range Gamma-Glutamyltransferase 1 (gGT1) and analogues was observed.
Sequence Length	568
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.61ng/mL
Applicable Applications for gGT1 elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Wide-range Gamma-Glutamyltransferase 1 (gGT1) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Wide-range Gamma-Glutamyltransferase 1 (gGT1) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Wide-range Gamma-Glutamyltransferase 1 (gGT1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Wide-range Gamma-Glutamyltransferase 1 (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 Wide-range Gamma-Glutamyltransferase 1 (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 +/- 10nm. The concentration of Wide-range Gamma-Glutamyltransferase 1 (gGT1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Preparation and Storage	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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	807201132
NCBI GeneID	14598
NCBI Accession #	NP_001292921.1
NCBI GenBank Nucleotide #	NP_001292921.1
UniProt Accession #	Q60928
NCBI Official Full Name	glutathione hydrolase 1 proenzyme
NCBI Official Synonym Full Names	gamma-glutamyltransferase 1
NCBI Official Symbol	Ggt1
NCBI Official Synonym Symbols	GGT; dwg; Ggtp; CD224; GGT 1; GGT-1
NCBI Protein Information	glutathione hydrolase 1 proenzyme
UniProt Protein Name	Gamma-glutamyltranspeptidase 1
UniProt Gene Name	Ggt1
UniProt Synonym Gene Names	Ggt; Ggtp; GGT 1
UniProt Entry Name	GGT1_MOUSE

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/mouse-elisa-kits/gamma-glutamyltransferase-1-ggt1/189189>