

Human Guanylate Cyclase 1 Beta 3 (GUCY1b3) ELISA Kit | GUCY1b3 elisa kit

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CATALOG #
AAA187425

REACTIVITY
Human

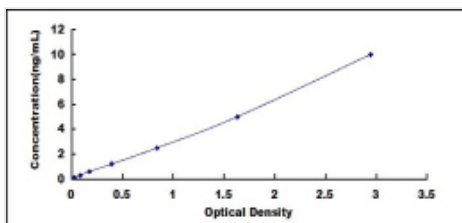
PRODUCT SYNONYMS

Guanylate Cyclase 1 Beta 3 (GUCY1b3); Human Guanylate Cyclase 1 Beta 3 (GUCY1b3) ELISA Kit; GC-S-beta-1; GC-SB3; GUC1B3; GUCB3; GUCSB3; Soluble guanylate cyclase small subunit; Guanylate cyclase soluble subunit beta-3; GUCY1b3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Guanylate Cyclase 1 Beta 3 (GUCY1b3). No significant cross-reactivity or interference between Guanylate Cyclase 1 Beta 3 (GUCY1b3) and analogues was observed.
Sequence Length	599
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.059ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Guanylate Cyclase 1 Beta 3 (GUCY1b3) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Guanylate Cyclase 1 Beta 3 (GUCY1b3) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
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)

ADDITIONAL INFORMATION

Related Product Information for GUCY1b3 elisa kit	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 Guanylate Cyclase 1 Beta 3 (GUCY1b3). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Guanylate Cyclase 1 Beta 3 (GUCY1b3). 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 Guanylate Cyclase 1 Beta 3 (GUCY1b3), 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 Guanylate Cyclase 1 Beta 3 (GUCY1b3) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119625294
NCBI GeneID	2983
UniProt Accession #	Q02153; Q86WY5; B7Z426
Molecular Weight	68,165 Da
NCBI Official Full Name	guanylate cyclase 1, soluble, beta 3, isoform CRA_b
NCBI Official Synonym Full Names	guanylate cyclase 1 soluble subunit beta 1
NCBI Official Symbol	GUCY1B1
NCBI Official Synonym Symbols	GUCB3; GC-SB3; GUC1B3; GUCSB3; GUCY1B3; GC-S-beta-1
NCBI Protein Information	guanylate cyclase soluble subunit beta-1
UniProt Protein Name	Guanylate cyclase soluble subunit beta-1
UniProt Gene Name	GUCY1B3
UniProt Synonym Gene Names	GUC1B3; GUCSB3; GUCY1B1; GCS-beta-3

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/human-elisa-kits/guanylate-cyclase-1-beta-3-gucy1b3/187425>