

Rat Glycoprotein 2, Zymogen Granule Membrane (GP2) ELISA Kit | GP2 elisa kit

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CATALOG #
AAA186604

REACTIVITY
Rat

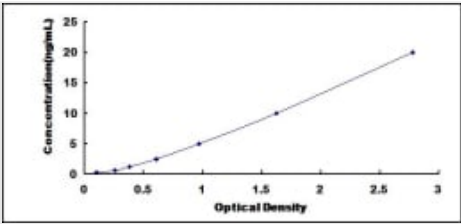
PRODUCT SYNONYMS

Glycoprotein 2; Zymogen Granule Membrane (GP2); Rat Glycoprotein 2; Zymogen Granule Membrane (GP2) ELISA Kit; ZAP75; Pancreatic Secretory Granule Membrane Major Glycoprotein GP2; Pancreatic zymogen granule membrane protein GP-2; GP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Glycoprotein 2, Zymogen Granule Membrane (GP2). No significant cross-reactivity or interference between Glycoprotein 2, Zymogen Granule Membrane (GP2) and analogues was observed.
Sequence Length	387
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.122ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Glycoprotein 2, Zymogen Granule Membrane (GP2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Glycoprotein 2, Zymogen Granule Membrane (GP2) 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 GP2 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 Glycoprotein 2, Zymogen Granule Membrane (GP2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Glycoprotein 2, Zymogen Granule Membrane (GP2). 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 Glycoprotein 2, Zymogen Granule Membrane (GP2), 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 Glycoprotein 2, Zymogen Granule Membrane (GP2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119570698
NCBI GeneID	2813
UniProt Accession #	P55259; Q13338; Q9UIF1; A6NFM9; A6NJA8
Molecular Weight	43,039 Da
NCBI Official Full Name	glycoprotein 2 (zymogen granule membrane), isoform CRA_d
NCBI Official Synonym Full Names	glycoprotein 2
NCBI Official Symbol	GP2
NCBI Official Synonym Symbols	ZAP75
NCBI Protein Information	pancreatic secretory granule membrane major glycoprotein GP2
UniProt Protein Name	Pancreatic secretory granule membrane major glycoprotein GP2
UniProt Gene Name	GP2

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/glycoprotein-2-zymogen-granule-membrane-gp2/186604>