

Mouse Regenerating Islet Derived Protein 3 Gamma (REG3g) ELISA Kit | REG3g elisa kit

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CATALOG #
AAA186642

REACTIVITY
Mouse

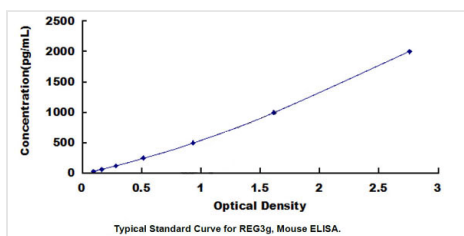
PRODUCT SYNONYMS

Regenerating Islet Derived Protein 3 Gamma (REG3g); Mouse Regenerating Islet Derived Protein 3 Gamma (REG3g) ELISA Kit; REG-III; PAP1B; PAPIB; UNQ429; Pancreatitis-associated protein 1B; Regenerating islet-derived protein III-gamma; REG3g elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of REG3g. No significant cross-reactivity or interference between REG3g and analogues was observed.
Sequence Length	129
Samples	Mouse serum, plasma and other biological fluids
Detection Range	31.2-2,000pg/mL
Sensitivity	< 13.1pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level REG3g 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 REG3g were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 REG3g elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to REG3g. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to REG3g. 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 REG3g, 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 REG3g 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 #	56699413
NCBI GeneID	130120
NCBI Accession #	NP_001008388.1
NCBI GenBank Nucleotide #	NM_001008387.2
UniProt Accession #	Q6UW15; Q3SYE4; Q3SYE6; Q6FH18; A8K980; D6W5J6
Molecular Weight	14,409 Da
NCBI Official Full Name	regenerating islet-derived protein 3-gamma isoform 1 preproprotein
NCBI Official Synonym Full Names	regenerating family member 3 gamma
NCBI Official Symbol	REG3G
NCBI Official Synonym Symbols	PAP1B; PAPIB; PAP IB; PAP-1B; UNQ429; LPPM429; REG III; REG-III
NCBI Protein Information	regenerating islet-derived protein 3-gamma
UniProt Protein Name	Regenerating islet-derived protein 3-gamma
UniProt Gene Name	REG3G
UniProt Synonym Gene Names	PAP1B; REG-3-gamma; PAP-1B; PAP IB; REG III; Reg III-gamma

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.