

Mouse Regenerating Islet Derived Protein 3 Beta (REG3b) ELISA Kit | REG3b elisa kit

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CATALOG #
AAA20059

REACTIVITY
Mouse

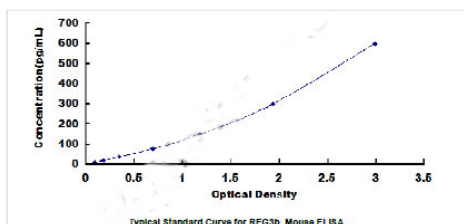
PRODUCT SYNONYMS

Regenerating Islet Derived Protein 3 Beta (REG3b); Mouse Regenerating Islet Derived Protein 3 Beta (REG3b) ELISA Kit; PAP1; Pancreatitis-Associated Protein 1; REG3b elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of REG3b. No significant cross-reactivity or interference between REG3b and analogues was observed.
Sequence Length	175
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	9.4-600pg/mL
Sensitivity	3.3pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level REG3b 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 REG3b 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 REG3b elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of REG3b in mouse serum, plasma and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to REG3b. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to REG3b. 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 REG3b, 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 REG3b in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for REG3b elisa kit	Human gene deletion

NCBI AND UNIPROT INFORMATION

NCBI GI #	6754980
NCBI GeneID	18489
NCBI Accession #	NP_035166.1
NCBI GenBank Nucleotide #	NM_011036.1
UniProt Accession #	P35230
Molecular Weight	19,476 Da
NCBI Official Full Name	regenerating islet-derived protein 3-beta
NCBI Official Synonym Full Names	regenerating islet-derived 3 beta
NCBI Official Symbol	Reg3b
NCBI Official Synonym Symbols	HIP; Pap; PAP1; REG-III
NCBI Protein Information	regenerating islet-derived protein 3-beta
UniProt Protein Name	Regenerating islet-derived protein 3-beta
UniProt Gene Name	Reg3b
UniProt Synonym Gene Names	Pap; Pap1; REG-3-beta; Reg III-beta
UniProt Entry Name	REG3B_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.