

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

Rat Regenerating Islet Derived Protein 3 Gamma (REG3g)(Sandwich ELISA) ELISA Kit

CATALOG # AAA150934	REACTIVITY Rat	APPLICATIONS ELISA
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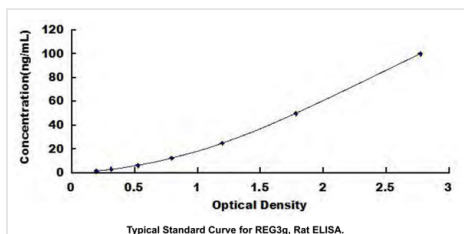
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
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.
Assay Type	Quantitative Sandwich
Samples	Rat serum, plasma, tissue homogenates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.57ng/mL
Applicable Applications for REG3g elisa kit	ELISA
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	Store at 4 degree C for 1 month; -20 degree C for long-term (within shelf life) 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 $\pm$ 10nm. The concentration of REG3g in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of REG3g in rat serum, plasma, tissue homogenates and other biological fluids.
Product Categories/Family for REG3g elisa kit	Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	27465527
NCBI GeneID	24620
NCBI Accession #	NP_775120.1
NCBI GenBank Nucleotide #	NM_173097.1
UniProt Accession #	P42854
Molecular Weight	19,144 Da
NCBI Official Full Name	regenerating islet-derived protein 3-gamma
NCBI Official Synonym Full Names	regenerating islet-derived 3 gamma
NCBI Official Symbol	Reg3g
NCBI Official Synonym Symbols	Pap3; PAPIII
NCBI Protein Information	regenerating islet-derived protein 3-gamma; REG-3-gamma; reg III-gamma; pancreatitis-associated protein 3; regenerating islet-derived protein 3 gamma; regenerating islet-derived protein III-gamma
UniProt Protein Name	Regenerating islet-derived protein 3-gamma
UniProt Gene Name	Reg3g
UniProt Synonym Gene Names	Pap3; REG-3-gamma; Reg III-gamma
UniProt Entry Name	REG3G_RAT

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/regenerating-islet-derived-protein-3-gamma-reg3g/150934>