

Mouse Regenerating Islet Derived Protein 4 (REG4) ELISA Kit | REG4 elisa kit

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CATALOG #
AAA137038

REACTIVITY
Mouse

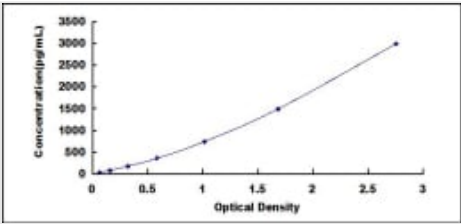
PRODUCT SYNONYMS

Regenerating Islet Derived Protein 4 (REG4); Mouse Regenerating Islet Derived Protein 4 (REG4) ELISA Kit; GISP; REG-IV; RELP; Regenerating Gene Type IV; Gastrointestinal Secretory Protein; REG-like protein; REG4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Regenerating Islet Derived Protein 4 (REG4). No significant cross-reactivity or interference between Regenerating Islet Derived Protein 4 (REG4) and analogues was observed.
Sequence Length	158
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	46.88-3,000pg/mL
Sensitivity	16.29pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Regenerating Islet Derived Protein 4 (REG4) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Regenerating Islet Derived Protein 4 (REG4) 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 REG4 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 Regenerating Islet Derived Protein 4 (REG4). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Regenerating Islet Derived Protein 4 (REG4). 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 Regenerating Islet Derived Protein 4 (REG4), 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 Regenerating Islet Derived Protein 4 (REG4) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for REG4 elisa kit	Infection immunity; Endocrinology; Hepatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	14042980
NCBI GeneID	83998
NCBI Accession #	NP_114433.1
NCBI GenBank Nucleotide #	NM_032044.3
UniProt Accession #	Q9BYZ8; Q8NER6; Q8NER7
Molecular Weight	14,993 Da
NCBI Official Full Name	regenerating islet-derived protein 4 isoform 1
NCBI Official Synonym Full Names	regenerating islet-derived family, member 4
NCBI Official Symbol	REG4
NCBI Official Synonym Symbols	GISP; RELP; REG-IV
NCBI Protein Information	regenerating islet-derived protein 4
UniProt Protein Name	Regenerating islet-derived protein 4
UniProt Gene Name	REG4
UniProt Synonym Gene Names	GISP; RELP; REG-4; Reg IV
UniProt Entry Name	REG4_HUMAN

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.