

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

Rat Regenerating Islet Derived Protein 4 (REG4)(Sandwich ELISA) ELISA Kit

CATALOG #
AAA152478

REACTIVITY
Rat

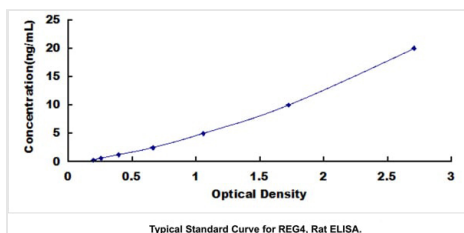
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of REG4. No significant cross-reactivity or interference between REG4 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Rat serum, plasma, tissue homogenates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.113ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level REG4 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 REG4 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) Shelf-life: one year 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	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to REG4. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to 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 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 REG4 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 REG4 in rat serum, plasma, tissue homogenates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51854251
NCBI GeneID	445583
NCBI Accession #	NP_001004096.1
NCBI GenBank Nucleotide #	NM_001004096.1
UniProt Accession #	Q68AX7
Molecular Weight	18,269 Da
NCBI Official Full Name	regenerating islet-derived protein 4
NCBI Official Synonym Full Names	regenerating islet-derived family, member 4
NCBI Official Symbol	Reg4
NCBI Protein Information	regenerating islet-derived protein 4; REG-4
UniProt Protein Name	Regenerating islet-derived protein 4
UniProt Gene Name	Reg4
UniProt Synonym Gene Names	REG-4
UniProt Entry Name	REG4_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-4-reg4/152478>