

Human regenerating islet-derived family, member 4 ELISA Kit | REG4 elisa kit

Human regenerating gene IV, REG-4 ELISA Kit

CATALOG #
AAA80138

REACTIVITY
Human

PRODUCT SYNONYMS

regenerating islet-derived family; member 4; Human regenerating gene IV; REG-4 ELISA Kit; GISP; REG-IV; RELP; OTTHUMP00000014031; gastrointestinal secretory protein; regenerating gene type IV; REG4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human REG4. No significant cross-reactivity or interference between Human REG4 and analogues was observed.
Sequence Length	158
Samples	Serum, plasma and tissue homogenates
Detection Range	0.312 ng/ml-20 ng/ml
Sensitivity	0.078 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for REG4 elisa kit

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to REG-4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for REG-4 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain REG-4, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of REG-4 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	226823233
NCBI GeneID	83998
NCBI Accession #	NP_001152824.1
NCBI GenBank Nucleotide #	NM_001159352.1
UniProt Accession #	Q9BYZ8; Q8NER6; Q8NER7
Molecular Weight	18,230 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; REG-4; reg IV; REG-like protein; regenerating gene type IV; gastrointestinal secretory protein; regenerating islet-derived protein IV
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.

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Online datasheet: <https://stage.aaabiotech.com/reg4-human-elisa-kits/regenerating-islet-derived-family-member-4/80138>