

Mouse RegeneRating Islet Derived Protein 4 ELISA Kit | REG4 elisa kit

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CATALOG #
AAA86745

REACTIVITY
Mouse

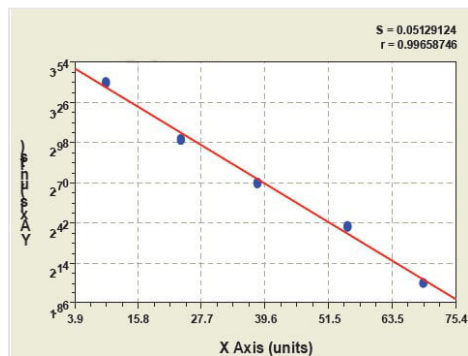
PRODUCT SYNONYMS

RegeneRating Islet Derived Protein 4; Mouse RegeneRating Islet Derived Protein 4 ELISA Kit; REG4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This REG4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of mouse REG4. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for REG4 elisa kit

Principle of the Assay: REG4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-REG4 antibody and an REG4-HRP conjugate. The assay sample and buffer are incubated together with REG4-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the REG4 concentration since REG4 from samples and REG4-HRP conjugate compete for the anti-REG4 antibody binding site. Since the number of sites is limited, as more sites are occupied by REG4 from the sample, fewer sites are left to bind REG4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The REG4 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	14042980
NCBI GeneID	83998
NCBI Accession #	NP_114433.1
NCBI GenBank Nucleotide #	NM_032044.3
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; 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-mouse-elisa-kits/regenerating-islet-derived-protein-4/86745>