

## Human RegeneRating Islet Derived Protein 4 ELISA Kit | REG4 elisa kit

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CATALOG #  
**AAA86372**

REACTIVITY  
**Human**

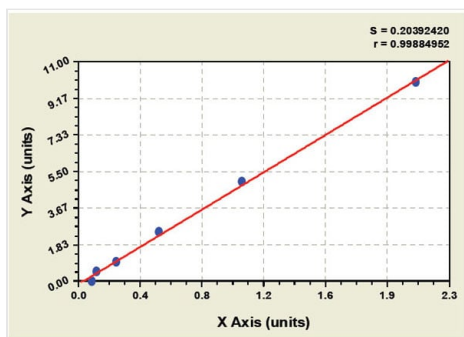
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                            |                                                                            |
|----------------------------|----------------------------------------------------------------------------|
| Reactivity                 | Human                                                                      |
| Samples                    | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type                 | Competitive or Sandwich                                                    |
| Detection Range            | 0.5-10ng/mL                                                                |
| Sensitivity                | 0.1ng/mL                                                                   |
| Highest Standards          | 10ng/mL                                                                    |
| Concentration of Standards | Concentration of Standards                                                 |
| Preparation and Storage    | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| Related Product Information for REG4 elisa kit | <p><b>For samples:</b> Serum, plasma, cell culture supernatants, body fluid and tissue homogenate</p> <p><b>INTENDED USE</b> This REG4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat REG4. This ELISA kit for research use only!</p> <p><b>PRINCIPLE OF THE ASSAY</b> REG4 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for REG4. Standards or samples are then added to the microtiter plate wells and REG4 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of REG4 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for REG4 are added to each well to "sandwich" the REG4 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain REG4 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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.</p> |
| Product Categories/Family for REG4 elisa kit   | Cell Biology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## 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                | <b>REG4</b>                                                                                                                                                                 |
| 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-protein-4/86372>