Human Regenerating Islet-Derived 1 Alpha/Pancreatic Stone Protein/Pancreatic Thread Protein (REG1A) ELISA Kit | REG1A elisa kit

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CATALOG #	REACTIVITY
AAA15576	**Human**

PRODUCT SYNONYMS

Regenerating Islet-Derived 1 Alpha/Pancreatic Stone Protein/Pancreatic Thread Protein (REG1A); Human Regenerating Islet-Derived 1 Alpha/Pancreatic Stone Protein/Pancreatic Thread Protein (REG1A) ELISA Kit; Human Lithostathine-1-alpha (REG1A) ELISA Kit; REG1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human REG1A. No significant cross-reactivity or interference between human REG1A and analogues was observed.
Samples	Serum, plasma
Assay Type	Sandwich
Detection Range	0.156 ng/ml-10 ng/ml.
Sensitivity	The minimum detectable dose of human REG1A is typically less than 0.039 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
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 REG1A elisa kit	**Principle of the assay:** This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for REG1A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any REG1A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for REG1A is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of REG1A bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Categories/Family for REG1A elisa kit	Human ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	133778239
NCBI GeneID	5967
UniProt Accession #	Q2TBE1; Q0VFX1; P05451; Q4ZG28
Molecular Weight	9,676 Da
NCBI Official Full Name	REG1A protein
NCBI Official Synonym Full Names	regenerating islet-derived 1 alpha
NCBI Official Symbol	REG1A
NCBI Official Synonym Symbols	P19; PSP; PTP; REG; ICRF; PSPS; PSPS1; MGC12447
NCBI Protein Information	lithostathine-1-alpha; protein-X; REG-1-alpha; OTTHUMP00000160485; lithostathine 1 alpha; pancreatic thread protein; regenerating protein I alpha; islet cells regeneration factor; pancreatic stone protein, secretory; islet of langerhans regenerating protein; regenerating islet-derived protein 1-alpha
UniProt Protein Name	REG1A protein
UniProt Gene Name	**REG1A**
UniProt Entry Name	Q2TBE1_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/human-elisa-kits/regenerating-islet-derived-1-alpha-pancreatic-stone-protein-pancreatic-thread-protein-reg1a/15576