

Regenerating Islet Derived Protein 1 Alpha (REG1a) ELISA Kit | REG1a elisa kit

Rat Regenerating Islet Derived Protein 1 Alpha (REG1a) ELISA Kit

CATALOG #
AAA64849

REACTIVITY
Rat

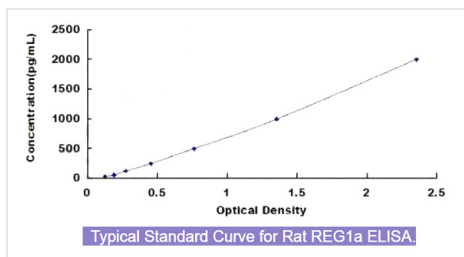
PRODUCT SYNONYMS

Regenerating Islet Derived Protein 1 Alpha (REG1a); Rat Regenerating Islet Derived Protein 1 Alpha (REG1a) ELISA Kit; REG; PSP; ICRF; PSPS1; PTP; Islet cells regeneration factor; Islet of Langerhans regenerating protein; Lithostathine 1 Alpha; Pancreatic Stone Protein; Pancreatic Thread Protein; REG1a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of REG1a. No significant cross-reactivity or interference between REG1a and analogues was observed.
Sequence Length	165
Assay Type	Quantitative Sandwich
Samples	Rat serum, plasma, tissue homogenates or other biological fluids
Detection Range	31.2-2000pg/mL
Sensitivity	< 12.5pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level REG1a 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 REG1a were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for REG1a elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to REG1a. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to REG1a. 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 REG1a, 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 REG1a 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 the in vitro quantitative measurement of REG1a in rat serum, plasma, tissue homogenates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6981470
NCBI GeneID	24714
NCBI Accession #	NP_036773.1
NCBI GenBank Nucleotide #	NM_012641.1
UniProt Accession #	P10758
Molecular Weight	18,672 Da
NCBI Official Full Name	lithostathine
NCBI Official Synonym Full Names	regenerating family member 1 alpha
NCBI Official Symbol	Reg1a
NCBI Official Synonym Symbols	Reg; RGPI; Reg1; Rgp1; LITHOST; RATRGPI; RATLITHOST
NCBI Protein Information	lithostathine
UniProt Protein Name	Lithostathine
UniProt Gene Name	Reg1
UniProt Synonym Gene Names	Reg; ICRF; REG; PSP; PTP

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-1-alpha-reg1a/64849>