

Human Regenerating Islet Derived Protein 3 Alpha (REG3a) ELISA Kit | REG3a elisa kit

Human Regenerating Islet Derived Protein 3 Alpha (REG3a) Wide-range ELISA Kit

CATALOG # AAA189211	REACTIVITY Human	APPLICATIONS ELISA
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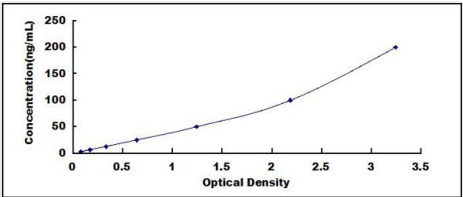
PRODUCT SYNONYMS

Regenerating Islet Derived Protein 3 Alpha (REG3a); Human Regenerating Islet Derived Protein 3 Alpha (REG3a) Wide-range ELISA Kit; Regenerating Islet Derived Protein 3 Alpha; HIP; INGAP; PAP-H; PAP1; PBCGF; REG-III; REG3; Pancreatitis-Associated Protein; Hepatointestinal pancreatic protein; Human proislet peptide; Pancreatitis-associated protein 1; REG3a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Wide-range Regenerating Islet Derived Protein 3 Alpha (REG3a). No significant cross-reactivity or interference between Wide-range Regenerating Islet Derived Protein 3 Alpha (REG3a) and analogues was observed.
Sequence Length	175
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	3.12-200ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 1.14ng/mL
Applicable Applications for REG3a elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Wide-range Regenerating Islet Derived Protein 3 Alpha (REG3a) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Wide-range Regenerating Islet Derived Protein 3 Alpha (REG3a) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Wide-range Regenerating Islet Derived Protein 3 Alpha (REG3a). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Wide-range Regenerating Islet Derived Protein 3 Alpha (REG3a). 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 Wide-range Regenerating Islet Derived Protein 3 Alpha (REG3a), 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 Wide-range Regenerating Islet Derived Protein 3 Alpha (REG3a) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505605
NCBI GeneID	5068
NCBI Accession #	NP_002571.1
NCBI GenBank Nucleotide #	NP_002571.1
UniProt Accession #	Q06141
NCBI Official Full Name	regenerating islet-derived protein 3-alpha
NCBI Official Synonym Full Names	regenerating family member 3 alpha
NCBI Official Symbol	REG3A
NCBI Official Synonym Symbols	HIP; PAP; PAP1; REG3; INGAP; PAP-H; PBCGF; HIP/PAP; REG-III
NCBI Protein Information	regenerating islet-derived protein 3-alpha
UniProt Protein Name	Regenerating islet-derived protein 3-alpha
UniProt Gene Name	REG3A
UniProt Synonym Gene Names	HIP; PAP; PAP1; REG-3-alpha; HIP/PAP
UniProt Entry Name	REG3A_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-protein-3-alpha-reg3a/189211>