

Human REG1B ELISA Kit | REG1B elisa kit

Human REG1B ELISA Kit

CATALOG #
AAA258430

REACTIVITY
Human

PRODUCT SYNONYMS

REG1B; Human REG1B ELISA Kit; REG1B ELISA Kit; Human; regenerating islet-derived 1 beta; PSPS2 ELISA Kit; REGH ELISA Kit; REGI-BETA ELISA Kit; REG1 ELISA Kit; REG1B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	For the quantitative determination of Human REG1B concentration in serum.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum
Detection Range	5.47-350pg/mL
Sensitivity	2.28pg/mL
Conjugation	HRP
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

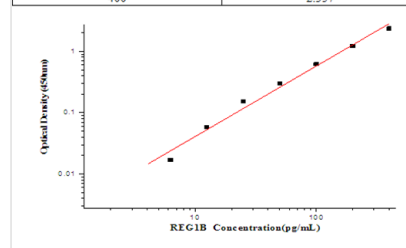
IMAGES

Recombinant human			
IL-1	IL-2	IL-33	IL-10
IL-8	TNF- α	IL-4	IL-6
IFN- γ	MIP-1 β	TIMP-1	TIMP-2
GM-CSF	SCF	PDGF	VEGF
REG1A			

Application Data

This assay recognizes both recombinant and natural Human REG1B. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed. Cross-reactivity was observed to be 94% with 0.04ng/mL of recombinant REG1A.

Concentration (pg/mL)	Zero standard subtracted OD
0	0
6.25	0.017
12.5	0.058
25	0.151
50	0.301
100	0.615
200	1.217
400	2.357



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for REG1B elisa kit	This REG1B ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human REG1B protein in Serum. It contains recombinant Human REG1B, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: Regenerating gene (Reg), first isolated from a regenerating islet cDNA library, encodes a secretory protein with a growth stimulating effect on pancreatic beta cells, and could be associated with fibrocalculous pancreatopathy. Reg and Reg-related genes which were expressed in various organs have been revealed to constitute a multigene family, the Reg family consisting of four subtypes (types I, II, III, IV) and are involved in cancers and neurodegenerative diseases. Regenerating islet-derived 1 beta (REG1B), also known as Lithostathine-1-beta and Pancreatic stone protein 2 (PSPS2), is a types I Reg protein and contains one typical C-type lectin domain. REG1B is a 166-amino acid protein that has 22 amino acid substitutions in comparison with the previously isolated human REG1A, and it is was expressed only in pancreas. REG1B Is normally found in the exocrine pancreas, whereas in other tissues it appears either only under pathological conditions, such as Alzheimer's disease (brain), cancer (colon), or during regeneration such as neuronal sprouting in brain and pancreas regeneration. REG1B might act as an inhibitor of spontaneous calcium carbonate precipitation. The REG1A and REG1B gene and proteins could play different roles in the pancreas.
References	Moriizumi S, et al. (1994) Isolation, structural determination and expression of a novel reg gene, human regl beta. Biochim Biophys Acta. 1217(2): 199-202. Sanchez D, et al. (2001) Preferential expression of reg I beta gene in human adult pancreas. Biochem Biophys Res Commun. 284(3): 729-37. Boonyasrisawat W, et al. (2002) Analysis of the reg1alpha and reg1beta gene transcripts in patients with fibrocalculous pancreatopathy. Southeast Asian J Trop Med Public Health. 33(2): 365-72.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/reg1b/258430>