

Bovine Regenerating islet-derived protein 3-gamma ELISA Kit | REG3G elisa kit

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CATALOG #
AAA97504

REACTIVITY
Bovine

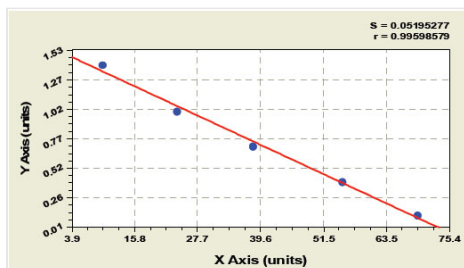
PRODUCT SYNONYMS

Regenerating islet-derived protein 3-gamma; Bovine Regenerating islet-derived protein 3-gamma ELISA Kit; REG3G elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This REG-3? ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine REG-3?. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for REG3G elisa kit

Principle of the assay: REG-3? ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-REG-3? antibody and an REG-3?-HRP conjugate. The assay sample and buffer are incubated together with REG-3?-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the REG-3? concentration since REG-3? from samples and REG-3?-HRP conjugate compete for the anti-REG-3? antibody binding site. Since the number of sites is limited, as more sites are occupied by REG-3? from the sample, fewer sites are left to bind REG-3?-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The REG-3? concentration in each sample is interpolated from this standard curve.

Product Categories/Family for REG3G elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	56699413
NCBI GeneID	130120
NCBI Accession #	NP_001008388.1
NCBI GenBank Nucleotide #	NM_001008387.2
Molecular Weight	14,409 Da
NCBI Official Full Name	regenerating islet-derived protein 3-gamma isoform 1
NCBI Official Synonym Full Names	regenerating islet-derived 3 gamma
NCBI Official Symbol	REG3G
NCBI Official Synonym Symbols	PAP1B; PAPIB; PAP IB; PAP-1B; UNQ429; LPPM429; REG III; REG-III
NCBI Protein Information	regenerating islet-derived protein 3-gamma; REG-3-gamma; reg III-gamma; regenerating gene III; pancreatitis-associated protein 1B; pancreatitis-associated protein IB; regenerating islet-derived protein III-gamma
UniProt Protein Name	Regenerating islet-derived protein 3-gamma
UniProt Gene Name	REG3G
UniProt Synonym Gene Names	PAP1B; UNQ429/PRO162; REG-3-gamma; PAP-1B; PAP IB; REG III; Reg III-gamma
UniProt Entry Name	REG3G_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/reg3g-bovine-ovine-elisa-kits/regenerating-islet-derived-protein-3-gamma/97504>