

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

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CATALOG #
AAA17263

REACTIVITY
Porcine

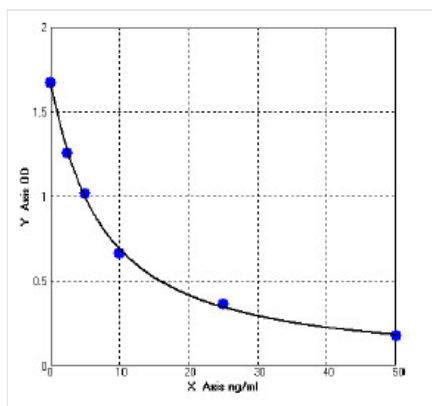
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of REG3gamma. No significant cross-reactivity or interference between REG3gamma and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between REG3gamma and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for REG3G elisa kit	Intended Uses: This REG3gamma ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine REG3gamma. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: REG3gamma ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-REG3gamma antibody and an REG3gamma-HRP conjugate. The assay sample and buffer are incubated together with REG3gamma-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 REG3gamma concentration since REG3gamma from samples and REG3gamma-HRP conjugate compete for the anti-REG3gamma antibody binding site. Since the number of sites is limited, as more sites are occupied by REG3gamma from the sample, fewer sites are left to bind REG3gamma-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The REG3gamma 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-porcine-elisa-kits/regenerating-islet-derived-protein-3-gamma/17263>