

Mouse Regenerating islet-derived protein 3-alpha (REG3A) ELISA Kit



Catalog No: #EK7549

Orders: order@signalwayantibody.com

Package Size: #EK7549-1 48T #EK7549-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Mouse Regenerating islet-derived protein 3-alpha (REG3A) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	HIP; PAP; PAP-H; PAP1; PBCGF; REG-III; REG3; PAP homologous protein hepatocarcinoma-intestine-pancreas pancreatic beta cell growth factor pancreatitis-associated protein proliferation-inducing prote
Accession No.	O09037
Uniprot	O09037
GeneID	19694;
Storage	The stability of ELISA 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. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:15.6-1000 pg/mL

Sensitivity:6.5 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate REG3A in samples. An antibody specific for REG3A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyREG3A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for REG3A is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of REG3A bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Regenerating islet-derived protein 3 alpha is a pancreatic secretory protein that may be involved in cell proliferation or differentiation. It has similarity to the C-type lectin superfamily. The enhanced expression of this gene is observed during pancreatic inflammation and liver carcinogenesis. The predicted protein had the same size as the rat protein and showed 71% amino acid identity, the 6 half-cysteines being in identical positions. As in the rat, the protein was expressed at very low levels in control tissues and overexpressed during the acute phase of pancreatitis in humans. The protein could be immunolocalized to the apical regions of acinar cells. The

protein was also quantifiable in serum with an elevation of levels in pancreatitis, suggesting its possible use as a biologic marker of the disease.

Note: This product is for in vitro research use only