

Human REG-4 ELISA Kit | REG4 elisa kit

Human REG-4 PicoKine ELISA Kit

CATALOG #
AAA45967

REACTIVITY
Human

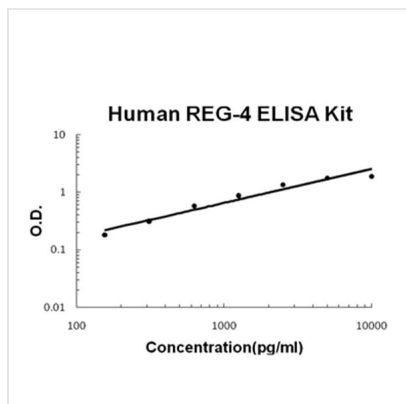
PRODUCT SYNONYMS

REG-4; Human REG-4 PicoKine ELISA Kit; Regenerating islet-derived protein 4; regenerating islet-derived family; member 4; Gastrointestinal secretory protein; GISP; REG IV; REG like protein; REG-like protein; Reg4; REG4_HUMAN; Regenerating gene type IV; Regenerating islet derived family member 4; Regenerating islet derived protein 4 precursor; Regenerating islet-derived protein IV; REGIV; RLP; REG4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human REG-4
Sequence Length	158
Samples	Cell culture supernates, serum and plasma (heparin)
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human REG-4 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for REG4 elisa kit	Principle of the assay: human REG-4 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for REG-4 has been precoated onto 96-well plates. Standards(E.coli, D23-P158) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for REG-4 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human REG-4 amount of sample captured in plate. Background: Regenerating islet-derived protein 4 is a protein that in humans is encoded by the REG4 gene. It is mapped to 1p12. REG-4 gene contains 6 exons and that the exon structure is preserved among members of the REG gene family. This gene is able to maintain carbohydrate recognition activity in an acidic environment. REG-4 expression was significantly upregulated by inflammation and tissue injury associated with active Crohn disease and ulcerative colitis, and most of the colorectal tumors overexpressing REG-4 are mucinous tumors or neuroendocrine tumors.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	68565834
NCBI GeneID	83998
UniProt Accession #	Q9BYZ8; Q8NER6; Q8NER7
Molecular Weight	14,993 Da
NCBI Official Full Name	Regenerating islet-derived protein 4
NCBI Official Synonym Full Names	regenerating islet-derived family, member 4
NCBI Official Symbol	REG4
NCBI Official Synonym Symbols	GISP; RELP; REG-IV
NCBI Protein Information	regenerating islet-derived protein 4; REG-4; reg IV; REG-like protein; regenerating gene type IV; gastrointestinal secretory protein; regenerating islet-derived protein IV
UniProt Protein Name	Regenerating islet-derived protein 4
UniProt Gene Name	REG4
UniProt Synonym Gene Names	GISP; RELP; REG-4; Reg IV
UniProt Entry Name	REG4_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.