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Datasheet for KOA0765

Human REG-4 ELISA Kit

Overview

Description:	Human REG-4 AccuSignal ELISA Kit - KOA0765
Item No.:	KOA0765
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	156 pg/ml - 10,000 pg/ml

Product Details

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.
Synonyms:	Gastrointestinal secretory protein, GISP, REG IV, REG like protein, REG-4, 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 4, Regenerating islet-derived protein IV, REGIV, RELP
Detection Kit Type:	ELISA Kit
Detection Range:	156 pg/ml - 10,000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	REG4
Reactivity:	Human
Immunogen:	Expression system for standard: E.coli; Immunogen sequence: D23-P158

Purity/Specificity:	Natural and recombinant human REG-4. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - Q9BYZ8 • NCBI - NP_001152824.1 • GeneID - 83998 • KOA0765 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 10,000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml human REG-4 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum or plasma(heparin) to each empty well. It is recommended that each human REG-4 standard solution and each sample be measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

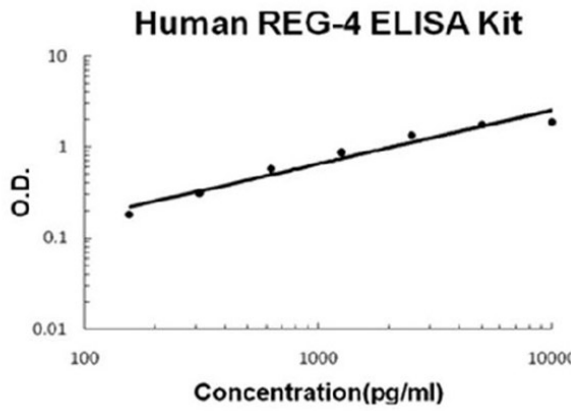
Formulation

Anticoagulant:	Heparin Sodium

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Expiration:	See kit insert for complete instructions.

Images



ELISA
Human REG-4 ELISA Kit standard curve.

Disclaimer

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