REG3 Alpha (REG3alpha) ELISA Kit

PRODUCT OVERVIEW

Product Name	REG3 alpha (REG3alpha), ELISA Kit
Full Product Name	Rat REG3 alpha ELISA Kit
Product Gene Name	REG3alpha elisa kit
Samples	Cell Culture Supernates, Serum, Plasma
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	8pg/ml
Molecular Weight	19,599 Da
3D Structure	ModBase 3D Structure for P35231
Detection Method	Colorimetric
Product Categories/Family for REG3alpha elisa kit	ELISA Kits
Applications Tested/Suitable for REG3alpha elisa kit	Sandwich ELISA (SE)
Related Product Information for REG3alpha elisa kit	Sandwich ELISA for quantitative detection of Rat REG3 alpha concentrations.
Other Notes	Small volumes of REG3alpha elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for REG3alpha purchase	MBS8310663 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the REG3 alpha (REG3alpha) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing REG3alpha. The ELISA analytical biochemical technique of the MBS8310663 kit is based on REG3alpha antibody-REG3alpha antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect REG3alpha antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, REG3alpha. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for REG3alpha. It may not necessarily be applicable to this product.

NCBI GI #	224994175
NCBI GeneID	171162
NCBI Accession #	NP_001139318.1
UniProt Primary Accession #	P35231
UniProt Related Accession #	P35231
GenBank Nucleotide #	NM_001145846.2
NCBI Official Full Name	regenerating islet-derived protein 3-alpha
NCBI Official Synonym Full Names	regenerating islet-derived 3 alpha

NCBI Official Symbol	Reg3a
NCBI Official Synonym Symbols	Pap2; PapII
UniProt Protein Name	Regenerating islet-derived protein 3-alpha
UniProt Synonym Protein Names	Islet of Langerhans regenerating protein 3; REG 3
UniProt Gene Name	Reg3a
UniProt Synonym Gene Names	Pap2; Reg3; REG-3-alpha; REG 3; Reg III-alpha
NCBI Protein Information	regenerating islet-derived protein 3-alpha
NCBI Summary for REG3alpha	lectin-related secretory protein; overexpressed during the acute phase of pancreatitis [RGD, Feb 2006]
UniProt Comments for REG3alpha	Bactericidal C-type lectin. Regulates keratinocyte proliferation and differentiation after skin injury via activation of EXTL3-PI3K-AKT signaling pathway ().
Research Articles on REG3alpha	**1.** Alox15 mRNA levels were 4 times higher in iron-deficient than in iron-adequate pancreas and that Reg1a, Reg3a, and Reg3b mRNA levels were 17-36 times higher in iron-overloaded pancreas.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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