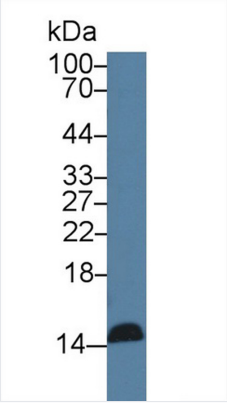
Regenerating Islet Derived Protein 3 Gamma (REG3g) Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	Regenerating Islet Derived Protein 3 Gamma (REG3g), Monoclonal Antibody
Full Product Name	Monoclonal Antibody to Regenerating Islet Derived Protein 3 Gamma (REG3g)
Product Gene Name	anti-REG3g antibody
Product Synonym Names	REG3g/Regenerating Islet Derived Protein 3 Gamma; REGIII; PAP1B; PAPIB; UNQ429; Pancreatitisassociated protein 1B; Regenerating isletderived protein IIIgamma
Clonality	Monoclonal
Isotype	IgG2a Kappa
Clone Number	C15
Host	Mouse
Species Reactivity	Human
Form/Format	Liquid; 0.01M PBS, pH7.4, containing 0.05% Proclin300, 50% glycerol.
Purity/Purification	Protein A + Protein G affinity chromatography
Concentration	1mg/mL (lot specific)
Specificity	The antibody is a mouse monoclonal antibody raised against REG3g. It has been selected for its ability to recognize REG3g in immunohistochemical staining and western blotting.
Preparation and Storage	Store at 2 degree C to 8 degree C for frequent use, 20 degree C for 24 months The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: REG3g Clone #C15 (MBS2139286) APC-CY7 Conjugated Antibody: REG3g Clone #C15 (MBS2136512)
Matching Pairs	Unconjugated Antibody: REG3g Clone #C15 (MBS2139286) PE Conjugated Antibody: REG3g Clone #C15 (MBS2136514)
Matching Pairs	Unconjugated Antibody: REG3g Clone #C15 (MBS2139286) APC Conjugated Antibody: REG3g Clone #C15 (MBS2136516)
Matching Pairs	Unconjugated Antibody: REG3g Clone #C15 (MBS2139286) Cy3 Conjugated Antibody: REG3g Clone #C15 (MBS2136518)
Matching Pairs	Unconjugated Antibody: REG3g Clone #C15 (MBS2139286) Biotin Conjugated Antibody: REG3g Clone #C15 (MBS2136520)
Matching Pairs	Unconjugated Antibody: REG3g Clone #C15 (MBS2139286) FITC Conjugated Antibody: REG3g Clone #C15 (MBS2136522)
Matching Pairs	Unconjugated Antibody: REG3g Clone #C15 (MBS2139286) HRP Conjugated Antibody: REG3g Clone #C15 (MBS2136524)
Molecular Weight	19,330 Da
OMIM	609933
3D Structure	ModBase 3D Structure for Q6UW15

Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen Type	Prokaryotic Recombinant proteins/RP
Sequence of Immunogen	Ser39~Asp175
Conjugation	Unconjugated
Product Categories/Family for anti-REG3g antibody	Infection immunity; Primary
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-REG3g antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Application Notes for anti-REG3g antibody	WB: 0.52ug/mL IHC: 520ug/mL ICC: 520ug/mL
Related Product Information for anti-REG3g antibody	MBS2139286 is an antibody targeting REG3g. Also known as Monoclonal Antibody to Regenerating Islet Derived Protein 3 Gamma (REG3g). Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-REG3g antibody 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.



Western Blot (WB) of anti-REG3g antibody
Western Blot; Sample: Human Serum; Primary Ab: 3ug/ml Mouse AntiHuman REG3g Antibody Second Ab: 0.2ug/mL HRPLinked Caprine AntiMouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for REG3g. It may not necessarily be applicable to this product.

NCBI GI #	56699413
NCBI GeneID	130120
NCBI Accession #	NP_001008388.1
UniProt Primary Accession #	Q6UW15
UniProt Secondary Accession #	Q3SYE4; Q3SYE6; Q6FH18; A8K980; D6W5J6
UniProt Related Accession #	Q6UW15
GenBank Nucleotide #	NM_001008387.2
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
UniProt Protein Name	Regenerating islet-derived protein 3-gamma
UniProt Synonym Protein Names	Pancreatitis-associated protein 1B; PAP-1B; Pancreatitis-associated protein IB; PAP IB; Regenerating islet-derived protein III-gamma
Protein Family	Regenerating islet-derived protein
UniProt Gene Name	REG3G
UniProt Synonym Gene Names	PAP1B; REG-3-gamma; PAP-1B; PAP IB; REG III
UniProt Entry Name	REG3G_HUMAN
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
NCBI Summary for REG3g	This gene encodes a member of the regenerating islet-derived genes (REG)3 protein family. These proteins are secreted, C-type lectins with a carbohydrate recognition domain and N-terminal signal peptide. The protein encoded by this gene is an antibacterial lectin with activity against Gram-positive bacteria. Alternative splicing results in multiple transcript variants encoding multiple isoforms. [provided by RefSeq, Jun 2012]
UniProt Comments for REG3g	REG3G: Might be a stress protein involved in the control of bacterial proliferation. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 2p12 Cellular Component: cytoplasm; extracellular region Molecular Function: carbohydrate binding Biological Process: MyD88-dependent toll-like receptor signaling pathway; defense response to Gram-positive bacterium; negative regulation of keratinocyte differentiation; acute-phase response
Research Articles on REG3g	**1.** a model of CagA-directed REG3gamma expression in gastric epithelial cells via activation of the IL-11/gp130/STAT3 pathway
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