Interleukin 18 (IL18) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Interleukin 18 (IL18), Polyclonal Antibody
Full Product Name	Cy3-Linked Polyclonal Antibody to Interleukin 18 (IL18)
Product Gene Name	anti-IL18 antibody
Product Synonym Names	IGIF; IL-1g; IL1F4; IL1-F4; Interferon-Gamma-Inducing Factor; Interleukin-1 Family Member 4; Iboctadekin; Interleukin-1 Gamma
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Liquid; PBS, pH7.4, containing 0.02% NaN3, 50% glycerol.
Purity/Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Concentration	>=100ug/ml (lot specific)
Specificity	The antibody is a rabbit polyclonal antibody raised against IL18. It has been selected for its ability to recognize IL18 in immunohistochemical staining and western blotting.
Preparation and Storage	Store at 4 degree C for frequent use. Aliquot and store at -20 degree C for 12 months. Avoid repeated freeze/thaw cycles. 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: IL18 (MBS2111756) Cy3 Conjugated Antibody: IL18 (MBS2120862)
Molecular Weight	22,135 Da
3D Structure	ModBase 3D Structure for P70380
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Cross Reactivity	Mouse
Conjugation	Cy3
Product Categories/Family for anti-IL18 antibody	Cytokine; Infection Immunity
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-IL18 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Related Product Information for anti-IL18 antibody	MBS2120862 is an antibody targeting IL18. Also known as Cy3-Linked Polyclonal Antibody to Interleukin 18 (IL18). Reactive in Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-IL18 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL18. It may not necessarily be applicable to this product.

NCBI GI #	6680413
NCBI GeneID	16173
NCBI Accession #	NP_032386.1
UniProt Primary Accession #	P70380
UniProt Related Accession #	P70380
GenBank Nucleotide #	NM_008360.1
NCBI Official Full Name	interleukin-18
NCBI Official Synonym Full Names	interleukin 18
NCBI Official Symbol	Il18
NCBI Official Synonym Symbols	Igif; Il-18
UniProt Protein Name	Interleukin-18
UniProt Synonym Protein Names	Interferon gamma-inducing factor; IFN-gamma-inducing factor; Interleukin-1 gamma; IL-1 gamma
Protein Family	Interleukin
UniProt Gene Name	Il18
UniProt Synonym Gene Names	Igif; IL-18; IFN-gamma-inducing factor; IL-1 gamma
UniProt Entry Name	IL18_MOUSE
NCBI Protein Information	interleukin-18
UniProt Comments for IL18	IL18: Augments natural killer cell activity in spleen cells and stimulates interferon gamma production in T-helper type I cells. Belongs to the IL-1 family. Protein type: Cytokine Cellular Component: apical plasma membrane; cytoplasm; extracellular space Molecular Function: cytokine activity Biological Process: activation of protein kinase B; angiogenesis; cholesterol homeostasis; detection of mechanical stimulus involved in sensory perception of pain; immune response; induction of apoptosis via death domain receptors; inflammatory response; interferon-gamma biosynthetic process; interleukin-13 biosynthetic process; lipopolysaccharide-mediated signaling pathway; MAPKKK cascade; natural killer cell activation; negative regulation of myoblast differentiation; negative regulation of neutrophil apoptosis; negative regulation of peptidyl-tyrosine phosphorylation; positive regulation of activated T cell proliferation; positive regulation of apoptosis; positive regulation of chemokine production; positive regulation of collagen biosynthetic process; positive regulation of granulocyte macrophage colony-stimulating factor production; positive regulation of interferon-gamma production; positive regulation of interleukin-17 production; positive regulation of interleukin-8 production; positive regulation of natural killer cell proliferation; positive regulation of neuron apoptosis; positive regulation of NF-kappaB import into nucleus; positive regulation of NK T cell proliferation; positive regulation of phosphoinositide 3-kinase cascade; positive regulation of protein kinase B signaling cascade; positive regulation of smooth muscle cell migration; positive regulation of smooth muscle cell proliferation; positive regulation of superoxide release; positive regulation of T-helper 2 cell differentiation; positive regulation of transcription from RNA polymerase II promoter; positive regulation of tumor necrosis factor production; positive regulation of tyrosine phosphorylation of Stat3 protein; positive regulation of vascular permeability; regulation of cell adhesion; response to hypoxia; sleep; T-helper 1 type immune response

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