CD218b/IL18RAP Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CD218b/IL18RAP, Monoclonal Antibody
Full Product Name	Anti-Human CD218b/IL18RAP Antibody (3131#), PerCP
Product Gene Name	anti-CD218b/IL18RAP antibody
Product Synonym Names	AcPL; Accessory protein-like; Interleukin-1 receptor 7; IL-18R-beta; CD218 antigen-like family member B; IL-1RAcPL; Interleukin-18 receptor accessory protein; CDw218b; IL-1R-7; IL1R7; IL-1R7; IL-18RAcP; CD218b; IL-1R accessory protein-like; IL18RAP; Interleukin-18 receptor accessory protein-like; IL-18 receptor accessory protein; IL-18Rbeta; Interleukin-18 receptor beta
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	3131#
Host	Mouse
Species Reactivity	Human
Form/Format	Liquid; 0.01M PBS, pH 7.4, 0.2% BSA, 0.05% Proclin 300.
Concentration	0.5mg/ml (lot specific)
Preparation and Storage	Store at 4 degree C for 12 months. Protect from light. Do not freeze.
Molecular Weight	599
OMIM	604509
3D Structure	ModBase 3D Structure for O95256
Conjugation	PerCP
Product Categories/Family for anti-CD218b/IL18RAP antibody	Super-Affinity Antibodies; Flow Cytometry Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD218b/IL18RAP antibody	Flow Cytometry (FC/FACS/FCM)
Related Product Information for anti-CD218b/IL18RAP antibody	MBS1582389 is an antibody targeting CD218b/IL18RAP. Also known as Anti-Human CD218b/IL18RAP Antibody (3131#), PerCP. Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-CD218b/IL18RAP 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 CD218b/IL18RAP. It may not necessarily be applicable to this product.

NCBI GI #	74762124
NCBI GeneID	8807
NCBI Accession #	O95256.1

UniProt Primary Accession #	O95256
UniProt Secondary Accession #	Q3KPE7; Q3KPE8; Q53TT4; Q53TU5; B2RPJ3
UniProt Related Accession #	O95256
NCBI Official Full Name	Interleukin-18 receptor accessory protein
NCBI Official Synonym Full Names	interleukin 18 receptor accessory protein
NCBI Official Symbol	IL18RAP
NCBI Official Synonym Symbols	ACPL; CD218b; IL-1R7; IL18RB; CDw218b; IL-1R-7; IL-18RAcP; IL-1RAcPL; IL-18Rbeta; IL-18R-beta
UniProt Protein Name	Interleukin-18 receptor accessory protein
UniProt Synonym Protein Names	Accessory protein-like; AcPL; CD218 antigen-like family member B; CDw218b; IL-1R accessory protein-like; IL-1RAcPL; Interleukin-1 receptor 7; IL-1R-7; IL-1R7; Interleukin-18 receptor accessory protein-like; Interleukin-18 receptor beta; IL-18R-beta; IL-18Rbeta; CD_antigen: CD218b
UniProt Gene Name	IL18RAP
UniProt Synonym Gene Names	IL1R7; IL-18 receptor accessory protein; IL-18RAcP; AcPL; IL-1RAcPL; IL-1R-7; IL-1R7; IL-18R-beta; IL-18Rbeta
UniProt Entry Name	I18RA_HUMAN
NCBI Protein Information	interleukin-18 receptor accessory protein; IL-18 receptor beta; interleukin-1 receptor 7; interleukin-18 receptor beta; IL-18 receptor accessory protein; cluster of differentiation w218b; CD218 antigen-like family member B
NCBI Summary for CD218b/IL18RAP	The protein encoded by this gene is an accessory subunit of the heterodimeric receptor for interleukin 18 (IL18), a proinflammatory cytokine involved in inducing cell-mediated immunity. This protein enhances the IL18-binding activity of the IL18 receptor and plays a role in signaling by IL18. Mutations in this gene are associated with Crohn's disease and inflammatory bowel disease, and susceptibility to celiac disease and leprosy. Alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Feb 2014]
UniProt Comments for CD218b/IL18RAP	IL18RAP: Required for the high affinity binding of interleukin 18 (IL-18) to its receptor complex. Together with IL18R1 mediates IL-18-dependent activation of NF-kappa-B and JNK. Belongs to the interleukin-1 receptor family. Protein type: Cell surface; Membrane protein, integral Chromosomal Location of Human Ortholog: 2q12 Cellular Component: integral to membrane Molecular Function: receptor activity Biological Process: cell surface receptor linked signal transduction; immune response; inflammatory response
Research Articles on CD218b/IL18RAP	**1.** results demonstrate clear functional consequences of the rs917997 risk polymorphism; this polymorphism leads to a loss-of-function through decreased IL-18RAP, IL-18R1, and IL-1R1 protein expression, which impairs autocrine IL-18 and IL-1 signaling
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