IL18RAP Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	IL18RAP, Monoclonal Antibody
Full Product Name	IL18RAP (Interleukin-18 Receptor Accessory Protein, IL-18 Receptor Accessory Protein, IL-18RAcP, Accessory Protein-like, AcPL, CD218 Antigen-like Member B, CDw218b, IL-1R Accessory Protein-like, IL-1RAcPL, Interleukin-1 Receptor 7, IL-1R-7, IL-1R7
Product Gene Name	anti-IL18RAP antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	4G4
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human IL18RAP.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of proc centrifuge the original vial prior to removing the cap.
Molecular Weight	65.4kDa (576aa) 70-100KDa (SDS-PAGE under reducing conditions.)
OMIM	604509
3D Structure	ModBase 3D Structure for O95256
Immunogen	Partial recombinant corresponding to aa20-129 from IL18RAP (NP_003844) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	FNISGCSTKKLLWTYSTRSEEEFVLFCDLPEPQKSHFCHRNRLSPKQVPEHLPFMGSNDLSDVQWYQQPSNGDPLEDIRKSYPHIIQDKCTLHFLTPGVN
Conjugate	MaxLight750
Product Categories/Family for anti-IL18RAP antibody	Antibodies; Interleukin
Applications Tested/Suitable for anti-IL18RAP antibody	FLISA, Western Blot (WB)
Application Notes for anti-IL18RAP antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-IL18RAP antibody	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- JNK.

Product References and Citations for anti-IL18RAP antibody	1. Gene expression profiling in the synovium identifies a predictive signature of absence of response to adalimumab therapy in rheumatoid arthritis. Ba C, Nzeusseu Toukap A, Theate I, Maudoux AL, Van den Eynde BJ, Durez P, Houssiau FA, Lauwerys BR.Arthritis Res Ther. 2009;11(2):R57. Epub 200 Association study of the IL18RAP locus in three European populations with coeliac disease. Koskinen LL, Einarsdottir E, Dukes E, Heap GA, Dubois P, Szabo IR, Kaukinen K, Kurppa K, Ziberna F, Vatta S, Not T, Ventura A, Sistonen P, Adany R, Pocsai Z, Szeles G, Maki M, Kere J, Wijmenga C, van He Saavalainen P.Hum Mol Genet. 2009 Mar 15;18(6):1148-55. Epub 2008 Dec 22.
Other Notes	Small volumes of anti-IL18RAP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If nece 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 may apply.
Searchable Terms for IL18RAP purchase	MBS6233410 is an antibody targeting IL18RAP. Also known as IL18RAP (Interleukin-18 Receptor Accessory Protein, IL-18 Receptor Accessory Protei Accessory Protein-like, AcPL, CD218 Antigen-like Family Member B, CDw218b, IL-1R Accessory Protein-like, IL-1RAcPL, Interleukin-1 Receptor 7, IL- Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL18RAP. It may not necessarily be applicable to this product.

NCBI GI #	4504657
NCBI GeneID	8807
NCBI Accession #	NP_003844
UniProt Primary Accession #	O95256
UniProt Secondary Accession #	Q2QDE5; Q3KPE7; Q3KPE8; Q53TT4; Q53TU5; B2RPJ3
UniProt Related Accession #	O95256
GenBank Nucleotide #	NM_003853
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
Protein Family	Interleukin-18 receptor accessory protein
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
NCBI Summary for 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 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 IL18RAP	**1.** These findings suggested that IL-18RAP rs917997, IL-32 rs2015620, IL-22 rs1179251, and interactions between these polymorphisms and H. pylori infection were associated with risks of gastric lesions
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