IL1RAP Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	IL1RAP, Monoclonal Antibody
Full Product Name	IL1RAP (Interleukin 1 Receptor Accessory Protein, C3orf13, FLJ37788, IL-1RAcP, IL1R3) (AP)
Product Gene Name	anti-IL1RAP antibody
Product Synonym Names	Interleukin 1 Receptor Accessory Protein; C3orf13; FLJ37788; IL-1RAcP; IL1R3
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	3D8
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified
Specificity	Recognizes IL1RAP.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only pri
Molecular Weight	65,418 Da
Chromosome Location	Chromosome: 3; NC_000003.12 (190514051..190657197). Location: 3q28
OMIM	602626
3D Structure	ModBase 3D Structure for Q9NPH3
Immunogen	IL1RAP (AAH53621.1, 1aa-356aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MTLLWCVVSLYFYGILQSDASERCDDWGLDTMRQIQVFEDEPARIKCPLFEHFLKFNYSTAHSAGLTLIWYWTRQDRDLEEPINFRLPENRISKEKDVLWF
Conjugate	AP
Product Categories/Family for anti-IL1RAP antibody	Antibodies; Interleukin
Applications Tested/Suitable for anti-IL1RAP antibody	ELISA (EIA)
Application Notes for anti-IL1RAP antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-IL1RAP antibody	Interleukin 1 induces synthesis of acute phase and proinflammatory proteins during infection, tissue damage, or stress, by forming a complex at the cel
Other Notes	Small volumes of anti-IL1RAP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces
Searchable Terms for IL1RAP purchase	MBS6161988 is an antibody targeting IL1RAP. Also known as IL1RAP (Interleukin 1 Receptor Accessory Protein, C3orf13, FLJ37788, IL-1RAcP, IL1R

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL1RAP. It may not necessarily be applicable to this product.

NCBI GI #	31565481
NCBI GeneID	3556
NCBI Accession #	AAH53621.1
UniProt Primary Accession #	Q9NPH3
UniProt Secondary Accession #	O14915; Q86WJ7; B1NLD0; D3DNW0
UniProt Related Accession #	Q9NPH3
NCBI Official Full Name	Interleukin 1 receptor accessory protein
NCBI Official Synonym Full Names	interleukin 1 receptor accessory protein
NCBI Official Symbol	IL1RAP
NCBI Official Synonym Symbols	IL1R3; C3orf13; IL-1RAcP
UniProt Protein Name	Interleukin-1 receptor accessory protein
UniProt Synonym Protein Names	Interleukin-1 receptor 3
Protein Family	Interleukin-1 receptor accessory protein
UniProt Gene Name	IL1RAP
UniProt Synonym Gene Names	C3orf13; IL1R3; IL-1 receptor accessory protein; IL-1RAcP; IL-1R-3; IL-1R3
UniProt Entry Name	IL1AP_HUMAN
NCBI Protein Information	interleukin-1 receptor accessory protein; IL-1R3; interleukin-1 receptor 3; IL-1 receptor accessory protein; interleukin-1 receptor accessory protein beta

UniProt Comments for IL1RAP	IL1RAP: Coreceptor with IL1R1. Associates with IL1R1 bound to IL1B to form the high affinity interleukin-1 receptor complex which mediates interleukin-1-dependent activation of NF-kappa-B and other pathways. Signaling involves the recruitment of adapter molecules such as TOLLIP, MYD88, and IRAK1 or IRAK2 via the respective TIR domains of the receptor/coreceptor subunits. Recruits TOLLIP to the signaling complex. Does not bind to interleukin-1 alone; binding of IL1RN to IL1R1, prevents its association with IL1R1 to form a signaling complex. The cellular response is modulated through a non-signaling association with the membrane IL1R2 decoy receptor. Secreted forms (isoforms 2 and 3) associate with secreted ligand-bound IL1R2 and increase the affinity of secreted IL1R2 for IL1B; this complex formation may be the dominant mechanism for neutralization of IL1B by secreted/soluble receptors. Belongs to the interleukin-1 receptor family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Receptor, misc.; Membrane protein, integral Chromosomal Location of Human Ortholog: 3q28 Cellular Component: membrane; integral to plasma membrane; extracellular region; plasma membrane Molecular Function: signal transducer activity; interleukin-1 receptor activity Biological Process: interleukin-2 biosynthetic process; cytokine and chemokine mediated signaling pathway; innate immune response; immune response; protein complex assembly; inflammatory response
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