IL1F5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IL1F5, Polyclonal Antibody
Full Product Name	IL1F5, NT (IL36RN, FIL1D, IL1F5, IL1HY1, IL1L1, IL1RP3, Interleukin-36 receptor antagonist protein, FIL1 delta, IL-1-related protein 3, Interleukin-1 HY1, Interleukin-1 delta, Interleukin-1 family member 5, Interleukin-1 receptor antagonist homolog 1, Int
Product Gene Name	anti-IL1F5 antibody
Product Synonym Names	IL36RN; FIL1D; IL1F5; IL1HY1; IL1L1; IL1RP3; Interleukin-36 receptor antagonist protein; FIL1 delta; IL-1-related protein 3; Interleukin-1 HY1; Interleukin-1 delta; Interleukin-1 family member 5; Interleukin-1 receptor antagonist homolog 1; Interleukin-1-like protein 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
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 amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	16,962 Da
OMIM	605507
3D Structure	ModBase 3D Structure for Q9UBH0
Immunogen	IL1F5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 75-104 amino acids from the N-terminal region of human IL1F5.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-IL1F5 antibody	Antibodies; Interleukin
Applications Tested/Suitable for anti-IL1F5 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-IL1F5 antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-IL1F5 antibody	The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine was shown to specifically inhibit the activation of NF-kappaB induced by interleukin 1 family, member 6 (IL1F6). This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. Two alternatively spliced transcript variants encoding the same protein have been reported.

Product References and Citations for anti-IL1F5 antibody	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010). Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010): Jung, M.Y., et al. Scand. J. Rheumatol. 39(3):190-196(2010). Davila, S., et al. Genes Immun. 11(3):232-238(2010). Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009).
Other Notes	Small volumes of anti-IL1F5 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.
Searchable Terms for IL1F5 purchase	MBS6310009 is an antibody targeting IL1F5. Also known as IL1F5, NT (IL36RN, FIL1D, IL1F5, IL1HY1, IL1L1, IL1RP3, Interleukin-36 receptor antagonist protein, FIL1 delta, IL-1-related protein 3, Interleukin-1 HY1, Interleukin-1 delta, Interleukin-1 family member 5, Interleukin-1 receptor antagonist homolog 1, Int. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL1F5. It may not necessarily be applicable to this product.

NCBI GI #	27894310
NCBI GeneID	26525
NCBI Accession #	NP_775262.1
NCBI Related Accession #	NP_036407.1
UniProt Primary Accession #	Q9UBH0
UniProt Secondary Accession #	Q56AT9; Q7RTZ6; A8K2I4
UniProt Related Accession #	Q9UBH0
GenBank Nucleotide #	NM_173170.1
NCBI Official Full Name	interleukin-36 receptor antagonist protein
NCBI Official Synonym Full Names	interleukin 36 receptor antagonist
NCBI Official Symbol	IL36RN
NCBI Official Synonym Symbols	FIL1; FIL1D; IL1F5; IL1L1; PSORP; IL1HY1; IL1RP3; IL36RA; IL-36Ra; PSORS14; FIL1(DELTA)
UniProt Protein Name	Interleukin-36 receptor antagonist protein
UniProt Synonym Protein Names	FIL1 delta; IL-1-related protein 3; IL-1RP3; Interleukin-1 HY1; IL-1HY1; Interleukin-1 delta; IL-1 delta; Interleukin-1 family member 5; IL-1F5; Interleukin-1 receptor antagonist homolog 1; IL-1ra homolog 1; Interleukin-1-like protein 1; IL-1L1
UniProt Gene Name	IL36RN
UniProt Synonym Gene Names	FIL1D; IL1F5; IL1HY1; IL1L1; IL1RP3; IL-1RP3; IL-1HY1; IL-1 delta; IL-1F5; IL-1ra homolog 1; IL-1L1
UniProt Entry Name	I36RA_HUMAN
NCBI Protein Information	interleukin-36 receptor antagonist protein

UniProt Comments for IL1F5	IL1F5: Is a highly and a specific antagonist of the IL-1 receptor-related protein 2-mediated response to interleukin 1 family member 9 (IL1F9). Could constitute part of an independent signaling system analogous to interleukin-1 alpha (IL-1A), beta (IL-1B) receptor agonist and interleukin-1 receptor type I (IL- 1R1), that is present in epithelial barriers and takes part in local inflammatory response. Defects in IL36RN are the cause of psoriasis generalized pustular (PSORP). PSORP is a life-threatening disease defined by repeated flares of sudden onset consisting of diffuse erythematous skin eruption characterized by rapid coverage with pustules, high-grade fever, asthenia, marked leukocytosis, and elevated serum levels of C-reactive protein. Belongs to the IL-1 family. Protein type: Cytokine Chromosomal Location of Human Ortholog: 2q14 Cellular Component: extracellular space Molecular Function: cytokine activity; interleukin-1 receptor binding; protein binding Biological Process: antifungal humoral response; negative regulation of cytokine and chemokine mediated signaling pathway; negative regulation of interleukin-17 production Disease: Psoriasis 14, Pustular
Research Articles on IL1F5	**1.** IL36RN was identified as strong regulators of skin pathology in both lesional and non-lesional skin samples.
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