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IL1F5 Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP12304a

Specification

IL1F5 Antibody (N-term) Blocking peptide - Product Information

Primary Accession	Q9UBH0

IL1F5 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 26525

Other Names
Interleukin-36 receptor antagonist protein, IL-36Ra, 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, IL36RN, FIL1D, IL1F5, IL1HY1, IL1L1, IL1RP3

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

IL1F5 Antibody (N-term) Blocking peptide - Protein Information

Name IL36RN (HGNC:15561)

Function
Inhibits the activity of interleukin-36 (IL36A,IL36B and IL36G) by binding to receptor IL1RL2 and preventing its association with the coreceptor IL1RAP for signaling. Part of the IL-36 signaling system that is thought to be present in epithelial barriers and to take part in local inflammatory response; similar to the IL-1 system with which it shares the coreceptor. Proposed to play a role in skin inflammation. May be involved in the innate immune response to fungal pathogens, such as Aspergillus fumigatus. May activate an anti- inflammatory signaling pathway by recruiting SIGIRR.

Cellular Location
Cytoplasm. Secreted. Note=The secretion is dependent on protein unfolding and facilitated by the cargo receptor TMED10; it results in protein translocation from the cytoplasm into the ERGIC (endoplasmic reticulum-Golgi intermediate compartment) followed by vesicle entry and secretion.

Tissue Location
Predominantly expressed in skin keratinocytes but not in fibroblasts, endothelial cells or melanocytes. Detected also in the spleen, brain leukocyte and macrophage cell types. Increased in

lesional psoriasis skin.

IL1F5 Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

IL1F5 Antibody (N-term) Blocking peptide - Images

IL1F5 Antibody (N-term) Blocking peptide - Background

The protein encoded by this gene is a member of theinterleukin 1 cytokine family. This cytokine was shown tospecifically inhibit the activation of NF-kappaB induced byinterleukin 1 family, member 6 (IL1F6). This gene and eight otherinterleukin 1 family genes form a cytokine gene cluster onchromosome 2. Two alternatively spliced transcript variantsencoding the same protein have been reported.

IL1F5 Antibody (N-term) Blocking peptide - References

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)