

Anti-IL1F9 Antibody (clone 2F4)
Mouse Anti Human Monoclonal Antibody
Catalog # ALS17402**Specification**

Anti-IL1F9 Antibody (clone 2F4) - Product Information

Application	WB, IHC-P, IF
Primary Accession	O9NZH8
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	18721

Anti-IL1F9 Antibody (clone 2F4) - Additional Information**Gene ID** 56300**Alias Symbol** **IL36G****Other Names**

IL36G, IL-1 related protein 2, IL-1-related protein 2, IL-1RP2, IL-1(EPSILON), IL1E, IL1F9, Interleukin-1 epsilon, Interleukin-36 gamma, IL-1F9, IL1H1, Interleukin 1 family, member 9, Interleukin-1 homolog 1, IL-1 epsilon, IL-1-epsilon, IL-1H1, IL1RP ...

Target/Specificity

Human IL1F9

Reconstitution & Storage

PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide Store at -20°C. Minimize freezing and thawing.

Precautions

Anti-IL1F9 Antibody (clone 2F4) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-IL1F9 Antibody (clone 2F4) - Protein Information**Name** IL36G ([HGNC:15741](#))**Function**

Cytokine that binds to and signals through the IL1RL2/IL-36R receptor which in turn activates NF-kappa-B and MAPK signaling pathways in target cells. 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 IL1RAP. Seems to be involved in skin inflammatory response by acting on keratinocytes, dendritic cells and indirectly on T-cells to drive tissue infiltration, cell maturation and cell proliferation. In cultured keratinocytes induces the expression of macrophage, T-cell, and neutrophil chemokines, such as CCL3, CCL4, CCL5, CCL2, CCL17, CCL22, CCL20, CCL5, CCL2, CCL17, CCL22, CXCL8, CCL20 and CXCL1; also stimulates its

own expression and that of the prototypic cutaneous pro-inflammatory parameters TNF-alpha, S100A7/psoriasin and inducible NOS. May play a role in pro-inflammatory responses during particular neutrophilic airway inflammation: activates mitogen-activated protein kinases and NF-kappa B in primary lung fibroblasts, and stimulates the expression of IL-8 and CXCL3 and Th17 chemokine CCL20 in lung fibroblasts. May be involved in the innate immune response to fungal pathogens, such as *Aspergillus fumigatus*.

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

Highly expressed in tissues containing epithelial cells: skin, lung, stomach and esophagus. Expressed in bronchial epithelial. In skin is expressed only in keratinocytes but not in fibroblasts, endothelial cells or melanocytes. Up-regulated in lesional psoriasis skin. Expressed in monocyte-derived dendritic cells and M1 macrophages.

Anti-IL1F9 Antibody (clone 2F4) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-IL1F9 Antibody (clone 2F4) - Images