



20171106BB

Anti-Human IL-1F9 (#2P38)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	101-M500
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat) immunized with human recombinant protein of IL-1F9.

Target Background

Synonyms (Target):	IL36G; IL1E; IL1F9; IL1H1; IL-1F9; IL-1H1; IL1RP2; IL-1RP2
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The IL-1 family of cytokines is a set of structurally related molecules that are primary mediators of inflammation. This family now consists of 11 cytokines and 9 cell-surface receptors, the best characterized of which are IL-1 α , IL-1 β , IL-1 receptor antagonist (IL-1ra), and IL-18. Seven novel members were recently identified from DNA databases almost simultaneously by several different groups, and to reduce confusion, a systematic nomenclature was proposed. IL-1F6, IL-1F8, and IL-1F9 have all reported proinflammatory properties. IL-1F5 shares 52% amino acid similarity with IL-1ra and as such antagonizes IL-1F6 and IL-1F9 at the IL-1R3(RAcP)-IL-1R6(Rp2) receptor complex. IL-1F7 acts as an attenuator of IL-18 activity and may act as an inhibitor of innate immune signaling.

Database References Target

Protein RefSeq:	NP_062564.1
Uniprot ID:	Q9NZH8
mRNA RefSeq:	NM_019618.2

Product Specifications

Host	Rat
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#2P38)
Isotype	IgG2
Purification	Protein G chromatography
Antigen	recombinant human IL-1F9
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody was selected for its ability to detect human IL-1F9.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB, N

Recommended usage:

Western Blot: 1:500 - 1:2000

Neutralization of Receptor/ligand interaction: Yes

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!