



20150206ML

# Anti-Human IL-1F8 (#2Q27)

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

<b>Cat.-no.:</b>	<b>101-M499</b>
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 mouse) immunized with human recombinant protein of IL-1F8.

## Target Background

<b>Synonyms (Target):</b>	IL36B; FIL1; FIL1H; IL1F8; IL1H2; IL-1F8; IL-1H2; IL1-ETA; FIL1-(ETA); FIL1-(ETA)
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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 $\alpha$ , IL-1 $\beta$ , 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

<b>Protein RefSeq:</b>	NP_055253.2
<b>Uniprot ID:</b>	Q9NZH7
<b>mRNA RefSeq:</b>	NM_014438.4

## Product Specifications

<b>Host</b>	Mouse
<b>Reactivity against</b>	Human
<b>Clonality</b>	Monoclonal Antibody
<b>Clone</b>	(#2Q27)
<b>Isotype</b>	IgG1
<b>Purification</b>	Protein G chromatography
<b>Antigen</b>	recombinant human IL-1F8
<b>Formulation</b>	lyophilized
<b>Reconstitution buffer</b>	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-1F8.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

## Applications

The antibody can be used within the following applications:

WB

**Recommended usage:**

Western Blot: 1:500 - 1:2000

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