

## Anti-IL-36 alpha/IL-1F6 Antibody (2Z319)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	2Z319
Purification:	Protein A

## Applications

Application:	ELISA
Recommended	ELISA: 1:5000-1:10000

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human IL-1F6 protein
Antigen Species:	Human
Synonyms:	IL36A;IL1(EPSILON);interleukin 36, $\alpha$ ;1E;IL-1F6;FIL;IL1E;FIL1(EPSILON);FIL1;IL1F6;IL36 $\alpha$ /IL-1F6; interleukin 36, alpha;IL1( $\epsilon$ );FIL1E;FIL1( $\epsilon$ )

## Research Background

Interleukin-1 family member 6 (IL-1F6), also known as interleukin 36, alpha (IL36A), is a pro-inflammatory cytokine that plays an important role in innate and adaptive immunity. IL-1F6 activates MAPK and NF- $\kappa$ B pathways and is produced by many different cells. This cytokine is a family member of interleukin-1 (IL-1) and plays an important role in the pathophysiology of several diseases. It has been reported that IL-1F6 and IL-1F8, in addition to IL-1F9, activate the pathway leading to NF- $\kappa$ B in an IL-1Rrp2-dependent manner in Jurkat cells as well as in multiple other human and mouse cell lines. Activation of the pathway leading to NF- $\kappa$ B by IL-1F6 and IL-1F8 follows a similar time course to activation by IL-1 $\beta$ , suggesting that signaling by the novel family members occurs through a direct mechanism. In a mammary epithelial cell line, NCI/ADR-RES, which naturally expresses IL-1Rrp2, all three cytokines signal without further receptor transfection. IL-1Rrp2 antibodies block activation of the pathway leading to NF- $\kappa$ B by IL-1F6, IL-1F8, and IL-1F9 in both Jurkat and NCI/ADR-RES cells. Thus IL-1F6, IL-1F8, and IL-1F9 signal through IL-1Rrp2 and IL-1RACp.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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