

Anti-IL-36 alpha/IL-1F6 Antibody (3I744)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Mouse
Conjugation:	Unconjugated
Clone:	3I744
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: Mouse IL-1F6 Protein (TMPY-01956)
Antigen Species:	Mouse
Synonyms:	IL36A;FIL1E;FIL1;FIL1(ε);IL1(ε);IL-1F6;IL36 α/IL-1F6;FIL1(EPSILON);IL1(EPSILON);interleukin 36, alpha;interleukin 36, α;IL1F6;1E;IL1E;FIL

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-κB 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-κB 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-κB by IL-1F6 and IL-1F8 follows a similar time course to activation by IL-1β, 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-κB 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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