

## Anti-IL-17F Antibody (1L340)

## Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	1L340
Purification:	Protein A

## Applications

Application:	ELISA
Recommended	ELISA: 1:1000-1:2000

## 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 IL17F Protein (TMPY-01898)
Antigen Species:	Human
Synonyms:	ML1;IL-17F;ML-1;interleukin 17F;CANDF6
Biology Area:	Neuroinflammation

## Research Background

Interleukin-17F (IL-17F) is a cytokine that shares sequence similarity with IL17. The most notable role of IL-17 is its involvement in inducing and mediating proinflammatory responses. IL-17 is commonly associated with allergic responses. IL-17F is expressed by activated T cells and was expressed only in activated CD4+ T cells and activated monocytes. IL-17F has been shown to stimulate the production of several other cytokines, including IL6 and IL8. This cytokine is also found to inhibit the angiogenesis of endothelial cells and induce endothelial cells to produce IL2, TGFβ1/TGFβ, and monocyte chemoattractant protein-1. Recombinant human IL-17F did not stimulate the proliferation of hematopoietic progenitors or the migration of mature leukocytes. However, it markedly inhibited the angiogenesis of human endothelial cells and induced endothelial cells to produce IL-2, TGF-β, and monocyte chemoattractant protein-1. IL-17F stimulates the production of other cytokines and granulocyte colony-stimulating factor and can regulate cartilage matrix turnover. IL-17F stimulates PBMC and T-cell proliferation. It also functions in inhibiting angiogenesis. By similarity, IL-17F plays a role in the induction of neutrophilia in the lungs and the exacerbation of antigen-induced pulmonary allergic inflammation.

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

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