

Datasheet for ABIN7321075
IL17F Protein (His tag)



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1 Image

Overview

Quantity:	50 µg
Target:	IL17F
Origin:	Rat
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL17F protein is labelled with His tag.

Product Details

Purpose:	Recombinant Rat Interleukin-17F/IL-17F Protein (His Tag)(Active)
Sequence:	Met1-Ala153
Characteristics:	A DNA sequence encoding the rat Il17f (NP_001015011.1) (Met1-Ala153) was expressed with a polyhistidine tag at the C-terminus.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg protein as determined by the LAL method.
Biological Activity Comment:	1. Measured by its binding ability in a functional ELISA.2. Immobilized rat IL17F-His at 10 µg/mL (100 µL/well) can bind Rat IL17RA-Fc3 . The EC50 of Rat IL17RA-Fc3 is 0.28-0.66 µg/mL.

Target Details

Target:	IL17F
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Target Details

Alternative Name: Interleukin-17F/IL-17F ([IL17F Products](#))

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, TGFB1/TGFB, 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 function in inhibiting angiogenesis By similarity. IL-17F plays a role in the induction of neutrophilia in the lungs and in the exacerbation of antigen-induced pulmonary allergic inflammation.

Synonym: IL17F,IL-17F

Molecular Weight: 16.4 kDa

NCBI Accession: [NP_001015011](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin, Positive Regulation of Endopeptidase Activity](#)

Application Details

Restrictions: For Research Use only

Handling

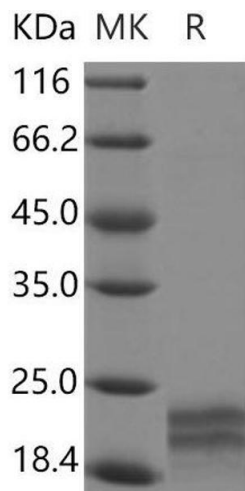
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.