

Datasheet for ABIN964784

**anti-IL17F antibody****1** Image[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	IL17F
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL17F antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Neutralization (Neut), Radioimmunoassay (RIA)

## Product Details

Immunogen:	This purified antibody was prepared from whole rabbit serum produced by repeated immunizations with full length recombinant mouse IL17-F protein. Immunogen Type: RecombinantProtein
Isotype:	IgG
Specificity:	IL-17F antibody has been heated to 56°C for 30 minutes. In ELISA and other immunoreactive assays, this antibody will recognize both native and recombinant mouse IL17-F in cell supernatants and certain body fluids. A control of similarly diluted normal rabbit IgG is recommended.
Cross-Reactivity:	Rat (Rattus)
Characteristics:	IL17-F (also known as ML1, ML-1, IL17F, and IL24) is a cytokine that shares sequence similarity with IL17. This cytokine is expressed by activated T cells, and has been shown to stimulate the

## Product Details

production of several other cytokines, including IL6, IL8, and CSF2/GM-CSF. This cytokine is also found to inhibit the angio-genesis of endothelial cells and induce endothelial cells to produce IL2, TGFB1/ GFB, and monocyte chemoattractant protein-1. IL-17F plays a role in the induction of neutrophilia in the lungs and in the exacerbation of antigen-induced pulmonary allergic inflammation. Anti-IL-17F antibody is ideal for investigators involved in Cardiovascular and Immunology research.

Sterility: Sterile filtered

## Target Details

Target: IL17F

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

Background: IL17-F (also known as ML1, ML-1, IL17F, and IL24) is a cytokine that shares sequence similarity with IL17. This cytokine is expressed by activated T cells, and has been shown to stimulate the production of several other cytokines, including IL6, IL8, and CSF2/GM-CSF. This cytokine is also found to inhibit the angio-genesis of endothelial cells and induce endothelial cells to produce IL2, TGFB1/ GFB, and monocyte chemoattractant protein-1. IL-17F plays a role in the induction of neutrophilia in the lungs and in the exacerbation of antigen-induced pulmonary allergic inflammation. Anti-IL-17F antibody is ideal for investigators involved in Cardiovascular and Immunology research.

Synonyms: IL-17F, Interleukin-17F, ML1, ML-1, IL17F, and IL24

Gene ID: 257630

NCBI Accession: [NP\\_665855](#)

UniProt: [Q7TNI7](#)

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

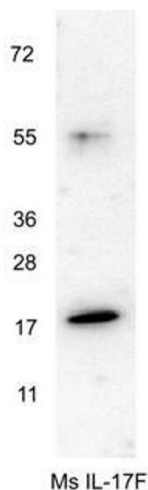
## Application Details

Application Notes: This purified antibody has been tested for use in ELISA and western blotting. Reactivity is also expected in neutralizations, radioimmunoassay and immunohistochemistry. The endotoxin content is estimated to be <10 pg/μl by the LAL method. By western blot a band approximately 17.9 kDa in size corresponding to mouse IL17-F protein is expected in the appropriate cell lysate or extract. IL-17F forms a disulfide linked homodimer. Specific conditions for reactivity should be optimized by the end user.

## Application Details

Comment:	Gene Name: IL17f
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 100 $\mu$ L
Concentration:	1.0 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	Without preservative
Storage:	4 °C/-20 °C
Storage Comment:	Store vial at 4 °C prior to restoration. For extended storage aliquot contents and freeze at -20 °C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4 °C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening.
Expiry Date:	12 months

## Images



### Western Blotting

**Image 1.** Western blot using anti-Mouse IL-17F antibody shows detection of a band ~18 kDa in size corresponding to recombinant mouse IL-17F. Recombinant mouse IL-17F was loaded on to an SDS-PAGE gel at 0.25  $\mu$ g and after separation was transferred to nitrocellulose. The membrane was blocked with 1% BSA in TBST for 30 min at RT, followed by incubation with primary antibody diluted 1:1,000 in 1% BSA in TBST overnight at 4°C. After washes, the blot was reacted with secondary antibody HRP Goat anti-Rabbit IgG antibody diluted 1:40,000 in blocking buffer for 30 min at RT followed by reaction with Chemiluminescent substrate. Data was collected using Bio-Rad 4000 MP imaging system.