

Datasheet for 210-401-B31**IL-17F Antibody****Overview**

Description:	Anti-Mouse IL-17F (RABBIT) Antibody - 210-401-B31
Item No.:	210-401-B31
Size:	100 µg
Applications:	Dot Blot, WB
Reactivity:	Mouse
Host Species:	Rabbit

Product Details

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:	rabbit anti-IL-17F antibody, rabbit anti-interleukin-17F antibody, Interleukin17F, Interleukin-17F, ML1, ML-1, IL17F, IL24
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	Il17f
Reactivity:	Mouse
Immunogen Type:	Recombinant Protein
Immunogen:	This purified antibody was prepared from whole rabbit serum produced by repeated immunizations with full length recombinant mouse IL17-F protein.

Purity/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.

Relevant Links:

- [UniProtKB - Q7TNI7](#)
- [NCBI - NP_665855.2](#)
- [GeneID - 257630](#)

Application Details

Tested Applications: Dot Blot, WB

Application Note: This purified antibody has been tested in dot blot and western blotting. Reactivity is also expected in ELISA, 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.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000

WB: 1:1,000

Formulation

Physical State: Lyophilized

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: None

Stabilizer: None

Reconstitution Volume: 100 μL

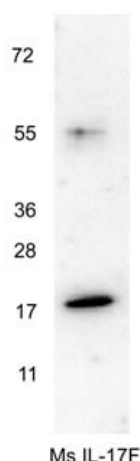
Reconstitution Buffer: Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition: Ambient

Storage Condition:	Store anti-IL-17F antibody 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:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western blot using Rockland's 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 µg 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 (p/n MB-070) for 30 min at RT followed by reaction with FemtoMax™ Chemiluminescent substrate (p/n FEMTOMAX-110). Data was collected using Bio-Rad VersaDoc® 4000 MP imaging system.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.