

**Datasheet for 209-401-B31****IL-17F Antibody****Overview**

|                      |                                                   |
|----------------------|---------------------------------------------------|
| <b>Description:</b>  | Anti-Human IL-17F (RABBIT) Antibody - 209-401-B31 |
| <b>Item No.:</b>     | 209-401-B31                                       |
| <b>Size:</b>         | 100 µg                                            |
| <b>Applications:</b> | WB                                                |
| <b>Reactivity:</b>   | Human                                             |
| <b>Host Species:</b> | Rabbit                                            |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | 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. Interleukin 1 receptor antagonist is secreted by various types of cells including immune, epithelial and adipocytes. Anti-IL-17F antibody is ideal for investigators involved in Cancer, Cardiovascular and Immunology research. |
| <b>Synonyms:</b>     | rabbit anti-IL-17F antibody, rabbit anti-Interleukin-17F antibody, Cytokine ML-1, Interleukin-24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

**Target Details**

|                        |                                                                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name:</b>      | IL17F                                                                                                                                             |
| <b>Reactivity:</b>     | Human                                                                                                                                             |
| <b>Immunogen Type:</b> | Recombinant Protein                                                                                                                               |
| <b>Immunogen:</b>      | This purified antibody was prepared from whole rabbit serum produced by repeated immunizations with full length recombinant human IL17-F protein. |

**Purity/Specificity:** This purified antibody has been heated to 56°C for 30 minutes. In ELISA and other immunoreactive assays, this antibody will recognize both native and recombinant human IL17-F in cell supernatants and certain body fluids. A control of similarly diluted normal rabbit IgG is recommended.

**Relevant Links:**

- [UniProtKB - Q96PD4](#)
- [NCBI - AAH662531.1](#)
- [GenelD - 112744](#)

## Application Details

**Tested Applications:** WB

**Application Note:** This purified antibody has been tested for use in 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 15.0 kDa in size corresponding to human IL17-F protein is expected in the appropriate cell lysate or extract. 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:** 1:1,000 - 1:5,000

**WB:** 1:500 - 1:2,000

## 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)

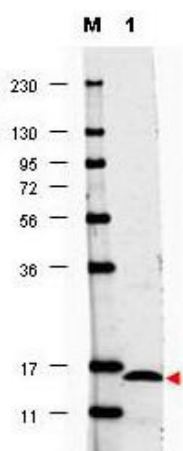
## Shipping & Handling

**Shipping Condition:** Ambient

**Storage Condition:** Store 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:** Expiration date is six (6) months from date of receipt.

## Images



### Western Blot

Western blot using Rockland's anti-Human IL17-F antibody shows detection of a band ~15 kDa in size corresponding to recombinant human IL17-F (lane 1). Molecular weight markers are also shown (M). After transfer, the membrane was blocked overnight with 3% BSA in TBS followed by reaction with primary antibody at a 1:1,000 dilution. Detection occurred using DyLight 649 conjugated anti-Rabbit IgG (p/n 611-143-122) secondary antibody diluted 1:20,000 in blocking buffer (p/n MB-070). Image was captured using VersaDoc MP 4000 imaging system (Bio-Rad).

## 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.