

Anti-IL-17F Antibody Peroxidase Conjugated

Catalog Number: A02062

About IL17F

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.

Overview

Product Name	Anti-IL-17F Antibody Peroxidase Conjugated
Reactive Species	Mouse
Description	Boster Bio Anti-IL-17F Antibody Peroxidase Conjugated (Catalog # A02062). Tested in WB applications. This antibody reacts with Mouse.
Conjugate	HRP
Application	WB
Clonality	Polyclonal
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free, 0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Storage Instructions	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. (Ship on dry ice.)
Host	Rabbit
Uniprot ID	Q7TNI7

Technical Details

Immunogen	This purified antibody was prepared from whole rabbit serum produced by repeated immunizations with full length recombinant mouse IL17-F protein.
Predicted Reactive Species	Bovine, Pufferfish, Zebrafish
Isotype	IgG
Form	Lyophilized

Concentration	1.0 mg/mL by UV absorbance at 280 nm
Purification	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 mouse IL17-F in cell supernatants and certain body fluids. A control of similarly diluted normal rabbit IgG is recommended.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>ELISA: 1:10,000-1:50,000</p> <p>IHC: 1:500-1:2,500</p> <p>WB: 1:1,000-1:5,000</p>

Anti-IL-17F Antibody Peroxidase Conjugated (A02062) Images

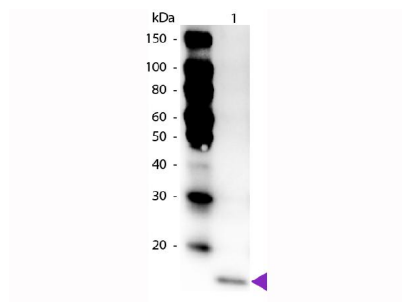


Figure 1. Western blot analysis of IL17f using anti-IL17f antibody (A02062).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.

After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-IL17f antigen affinity purified polyclonal antibody (Catalog # A02062) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-Rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # SA1022) with Tanon 5200 system. A specific band was detected for IL17f.

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