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

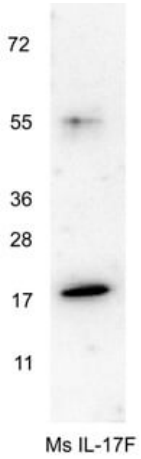
Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	None
Stabilizer:	None
Reconstitution Volume:	100 µL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

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.

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