

Anti-Human IL-17F Biotin Conjugated Monoclonal Antibody

Catalog Number: B02062-1

About IL17F

Anti-L-17F recognizes IL-17F (also known as Cytokine ML-1 or Interleukin-24). IL-17F is produced and secreted by CD8+ T cells, NK cells, NKT cells and LT α i cells. The main functions of IL-17F are neutrophil recruitment and immunity to extracellular pathogen. More importantly, IL-17F drives inflammation and auto-immunity. IL-17A and IL-17F are by far the best characterized cytokines of the IL-17 cytokine family. IL-17F dimerizes in a parallel fashion similar to nerve growth factor and other neurotrophins. Its dimerization is critical to fulfill its activity. When secreted by activated T cells, IL-17F can stimulate the production of other cytokines such as IL-6, IL-8 granulocyte colony-stimulating factor and, can stimulate cartilage matrix turnover. Defects in IL17F are the cause of familial candidiasis type 6 (CANDF6). CANDF6 is a rare disorder with altered immune responses and impaired clearance of fungal infections, selective against Candida. Anti-IL-17E cytokine antibody is ideal for investigators involved in Immunology, Signal Transduction research, Cancer and Inflammatory pathologies.

Overview

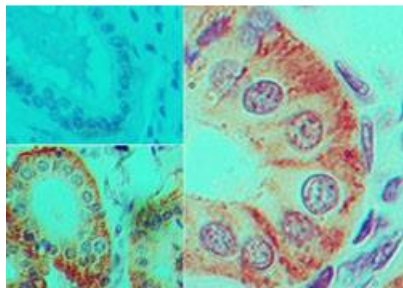
Product Name	Anti-Human IL-17F Biotin Conjugated Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Human IL-17F Biotin Conjugated Monoclonal Antibody (Catalog # B02062-1). Tested in IHC, WB applications. This antibody reacts with Human.
Conjugate	Biotin
Application	IHC, WB
Clonality	Monoclonal Clone: 4H1629.1 IgG1
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) Sodium Azide
Storage Instructions	Store vial at 4°C prior to restoration. Restore with 0.1 mL of deionized water (or equivalent). 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	Mouse
Uniprot ID	Q96PD4

Technical Details

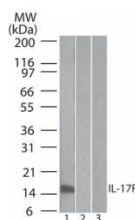
Immunogen	Anti-IL-17F (MOUSE) Monoclonal Antibody was produced in mouse by repeated immunizations with mature full length recombinant human IL-17F produced in E.coli followed by hybridoma development.
Predicted Reactive Species	Bovine, Monkey

Isotype	IgG1
Form	Lyophilized
Concentration	1.0 mg/mL by UV absorbance at 280 nm
Purification	This product was purified from concentrated tissue culture supernate by Protein G chromatography followed by extensive dialysis against the buffer stated above. This antibody is specific for human IL-17F protein. A BLAST analysis was used to suggest cross-reactivity with IL-17F from human sources based on 100% homology with the immunizing sequence. Cross-reactivity with IL-17F from other sources has not been determined.
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>Fluorochrome Protein Value: 10-20</p> <p>IHC: 5µg/mL</p> <p>WB: 0.5 mg/mL</p>

Anti-Human IL-17F Biotin Conjugated Monoclonal Antibody (B02062-1) Images



IL-17F was detected in paraffin-embedded sections of human colon tissue using isotype control (top left), mouse anti-IL-17F monoclonal antibody (Catalog # B02062-1) (bottom left, right) at 5 ug/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1021).



Western Blot analysis of IL-17F expression in human full length recombinant IL-17F protein (lane 1), mouse full length recombinant IL-17F protein (lane 2) and rat full length recombinant IL-17F protein (lane 3). IL-17F was detected using mouse anti-IL-17F monoclonal antibody (Catalog # B02062-1) at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1001).

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Human IL-17F Biotin Conjugated Monoclonal Antibody