

Product datasheet for **TA397221S**

IL17F Mouse Monoclonal Antibody [Clone ID: 4H450.1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4H450.1
Applications:	ELISA, WB
Recommended Dilution:	WB: 0.2µg/mL ELISA: 1:10,000 - 1:50,000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
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.
Specificity:	Anti-IL-17F 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.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	1.0 mg/mL - lot specific
Conjugation:	Unconjugated
Storage:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Stability:	Expiration date is one (1) year from date of receipt.
Gene Name:	interleukin 17F



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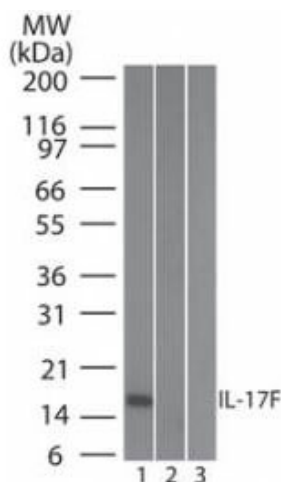
Database Link: [Entrez Gene 112744 Human Q96PD4](#)

Background: 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.

Synonyms: mouse anti-IL-17F antibody, mouse anti-Interleukin-17F antibody, Cytokine ML-1, Interleukin-24

Note: Anti-IL-17F antibody has been tested for use in Western Blot. Specific conditions for reactivity should be optimized by the end user.

Product images:



Western Blot of Mouse Anti-IL-17F antibody. Lane 1: human full length recombinant IL-17F protein. Lane 2: mouse full length recombinant IL-17F protein. Lane 3: rat full length recombinant IL-17F protein. Load: 20 ng/lane. Primary antibody: Anti-IL-17F antibody at 0.2ug/mL for overnight at 4°C.