Datasheet for ABIN1043779

anti-IL17F antibody

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Overview

Quantity:	100 µg
Target:	IL17F
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IL17F antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product 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. Immunogen Type: RecombinantProtein
Clone:	4H1629-1
Isotype:	IgG1
Specificity:	Anti-Human IL-17F (MOUSE) Monoclonal Antibody 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.

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Product Details

Characteristics:	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 LTi 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 neutrophins. 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.
Sterility:	Sterile filtered

Target Details

Target:	IL17F
Alternative Name:	IL-17F (IL17F Products)
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 LTi 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 neutrophins. 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: Interleukin-17F, Cytokine ML-1, Interleukin-24
Gene ID:	112744
NCBI Accession:	NP_443104
UniProt:	Q96PD4

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Target Details

Pathways:	Cellular Response to Molecule of Bacterial Origin, Positive Regulation of Endopeptidase Activity

Application Details

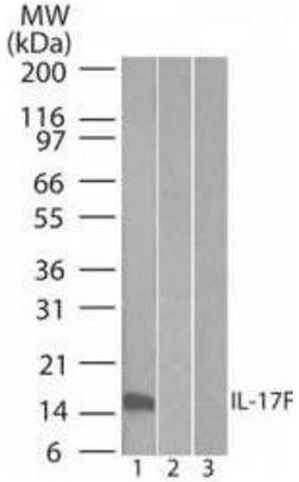
Application Notes:	Anti-Human IL-17F antibody has been tested for use in IHC and Western Blot. Specific conditions for reactivity should be optimized by the end user.
Comment:	Gene Name: IL17F
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.0mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	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.
Expiry Date:	12 months

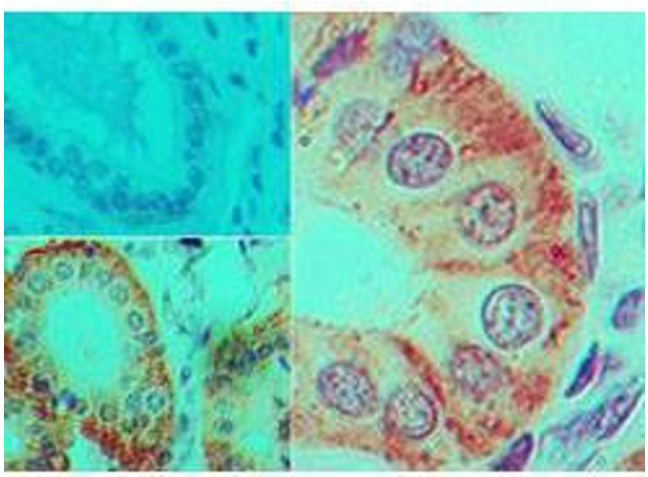
Publications

Product cited in:	Sarmento, Oneto, Pelicci, Pesce, Scipioni, Faretta, Furia, Dellino, Pelicci, Bianchini, Diaspro, Lanzanò: "Exploiting the tunability of stimulated emission depletion microscopy for super-resolution imaging of nuclear structures." in: **Nature communications**, Vol. 9, Issue 1, pp. 3415, (2018) (PubMed).



Western Blotting

Image 1.



Immunohistochemistry

Image 2. Immunohistochemistry of Mouse Anti-IL-17F antibody Tissue: human colon tissue Fixation: formalin-fixed, paraffin-embedded Primary antibody: isotype control (top left) , Mouse Anti-IL-17F antibody (bottom left, right) at 5 ug/ml

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