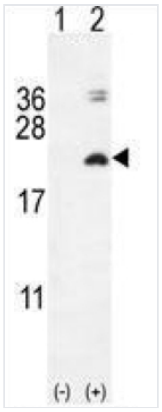
IL17F Antibody – Rabbit Polyclonal

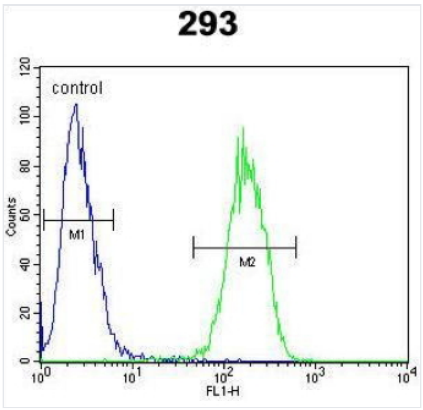
PRODUCT OVERVIEW

Product Name	IL17F, Polyclonal Antibody
Full Product Name	IL17F, NT (IL17F, IL24, Interleukin-17F, Cytokine ML-1, Interleukin-24) (MaxLight 550)
Product Gene Name	anti-IL17F antibody
Product Synonym Names	IL17F; IL24; Interleukin-17F; Cytokine ML-1; Interleukin-24
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human IL17F.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	18,045 Da
OMIM	606496
3D Structure	ModBase 3D Structure for Q96PD4
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 16-45 in the N-terminal region of human IL17F.
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-IL17F antibody	Antibodies; Interleukin
Applications Tested/Suitable for anti-IL17F antibody	Western Blot (WB), Flow Cytometry (FC/FACS), FLISA
Application Notes for anti-IL17F antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-IL17F antibody	The protein encoded by this gene 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 angiogenesis of endothelial cells and induce endothelial cells to produce IL2, TGFB1/TGFB, and monocyte chemoattractant protein-1. [provided by RefSeq].
Product References and Citations for anti-IL17F antibody	1. Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010). 2. Shu, Q., et al. Hum. Immunol. 71(10):988-991(2010). 3. Paradowska-Gorycka, A., et al. Scand. J. Immunol. 72(2):134-141(2010). 4. Tanasescu, C., et al. Eur. J. Intern. Med. 21(3):202-207(2010). 5. Davila, S., et al. Genes Immun. 11(3):232-238(2010).
Other Notes	Small volumes of anti-IL17F antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for IL17F purchase	MBS6309955 is an antibody targeting IL17F. Also known as IL17F, NT (IL17F, IL24, Interleukin-17F, Cytokine ML-1, Interleukin-24) (MaxLight 550). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-IL17F antibody
Western Blot analysis of IL17F (arrow) in 293 cell lysates (2ug/lane) using 036980 either Lane 1: nontransfected Lane 2: transiently transfected with the IL17F gene



Flow Cytometry (FC/FACS) of anti-IL17F antibody
Flow Cytometric analysis of 293 cells using 036980 (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL17F. It may not necessarily be applicable to this product.

NCBI GI #	16418375
NCBI GeneID	112744
NCBI Accession #	NP_443104.1
UniProt Primary Accession #	Q96PD4
UniProt Secondary Accession #	Q6NSI0; Q7Z6P4; Q96PI8; Q9NUE6
UniProt Related Accession #	Q96PD4
GenBank Nucleotide #	NM_052872.3
NCBI Official Full Name	interleukin-17F
NCBI Official Synonym Full Names	interleukin 17F
NCBI Official Symbol	IL17F
NCBI Official Synonym Symbols	ML1; ML-1; CANDF6; IL-17F
UniProt Protein Name	Interleukin-17F
UniProt Synonym Protein Names	Cytokine ML-1
Protein Family	Interleukin
UniProt Gene Name	IL17F
UniProt Synonym Gene Names	IL-17F
UniProt Entry Name	IL17F_HUMAN
NCBI Protein Information	interleukin-17F; cytokine ML-1
NCBI Summary for IL17F	The protein encoded by this gene 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 angiogenesis of endothelial cells and induce endothelial cells to produce IL2, TGFB1/TGFB, and monocyte chemoattractant protein-1. [provided by RefSeq, Jul 2008]

UniProt Comments for IL17F	IL17F: Stimulates the production of other cytokines such as IL- 6, IL-8 and granulocyte colony-stimulating factor, and can regulate cartilage matrix turnover. Stimulates PBMC and T-cell proliferation. Inhibits angiogenesis. 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. It is characterized by persistent and/or recurrent infections of the skin, nails and mucous membranes caused by organisms of the genus Candida, mainly Candida albicans. Belongs to the IL-17 family. Protein type: Secreted; Cytokine; Secreted, signal peptide Chromosomal Location of Human Ortholog: 6p12 Cellular Component: extracellular space; extracellular region Molecular Function: protein homodimerization activity; hematopoietin/interferon-class (D200-domain) cytokine receptor binding; cytokine binding; cytokine activity Biological Process: proteoglycan metabolic process; negative regulation of angiogenesis; regulation of transforming growth factor beta receptor signaling pathway; regulation of interleukin-8 biosynthetic process; lymphotoxin A biosynthetic process; cartilage development; cytokine biosynthetic process; regulation of interleukin-2 biosynthetic process; regulation of granulocyte macrophage colony-stimulating factor biosynthetic process; regulation of interleukin-6 biosynthetic process; positive regulation of transcription from RNA polymerase II promoter; inflammatory response Disease: Candidiasis, Familial, 6
Research Articles on IL17F	**1.** results suggest that patients carrying a combination of SNPs for TNF-alpha, VEGF-A, and IL-17F of ACGTCT haplotype may have an increased risk of corneal allograft rejection compared with patients carrying other haplotypes
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