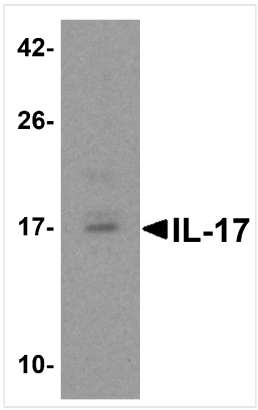
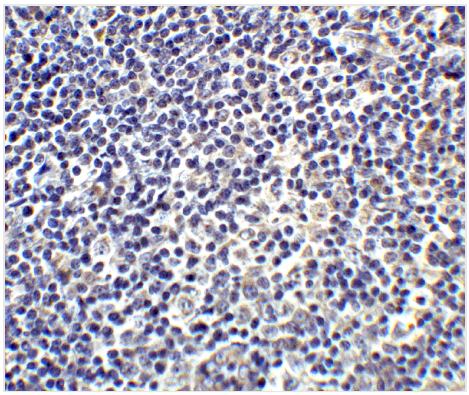
IL17A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

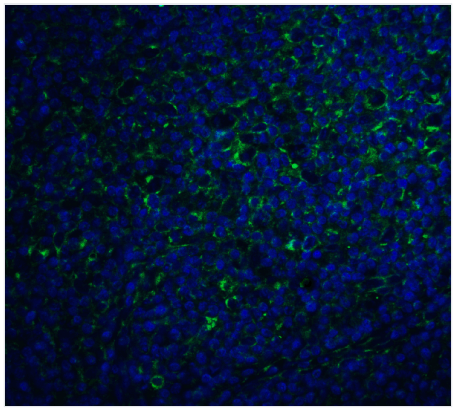
Product Name	IL-17 (IL17A), Polyclonal Antibody
Full Product Name	IL-17 Antibody
Product Gene Name	anti-IL17A antibody
Product Synonym Names	IL-17; IL17; CTLA8; IL-17; IL-17A; IL17; Interleukin-17A; Cytotoxic T-lymphocyte-associated antigen 8; interleukin 17A
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid
Purity/Purification	IL-17 Antibody is affinity chromatography purified via peptide column.
Concentration	1 mg/mL (lot specific)
Preparation and Storage	IL-17 antibody can be stored at 4 degrees C for up to one year. Antibodies should not be exposed to prolonged high temperatures.
Antibody/Peptide Pairs	IL-17 peptide (MBS152361) is used for blocking the activity of IL-17 antibody (MBS150637)
Molecular Weight	17,504 Da
OMIM	603149
3D Structure	ModBase 3D Structure for Q16552
Conjugate	Unconjugated
Immunogen	IL-17 antibody was raised against a 19 amino acid synthetic peptide from near the center of human IL-17A.
Buffer	IL-17 Antibody is supplied in PBS containing 0.02% sodium azide.
Applications Tested/Suitable for anti-IL17A antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-IL17A antibody	IL-17 antibody can be used for the detection of IL-17 by Western blot at 1 - 2 mug/ml
Related Product Information for anti-IL17A antibody	IL-17 Antibody: Interleukin 17 (IL-17) is a family of pro-inflammatory cytokines produced by activated T cells and is thought to have a major role in the initiation and perpetuation of rheumatoid arthritis. IL-17 regulates the activities of NF-?B and mitogen-activated protein kinases such as ERK and JNK. In addition, IL-17 stimulates the expression of IL-6 and cyclooxygenase-2 and enhances the production of nitric oxide. IL-17-producing T helper cells (TH-17 cells) have been the subject of much attention due to the importance of IL-17 in the pathogenesis of autoimmune inflammation. Because of its role in autoimmune diseases, it is thought that targeting the production and action of IL-17 would be beneficial therapeutically in these diseases.
Other Notes	Small volumes of anti-IL17A 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 IL17A purchase	MBS150637 is an antibody targeting IL17A. Also known as IL-17 Antibody. Reactive in Human, Mouse. Host: Rabbit.



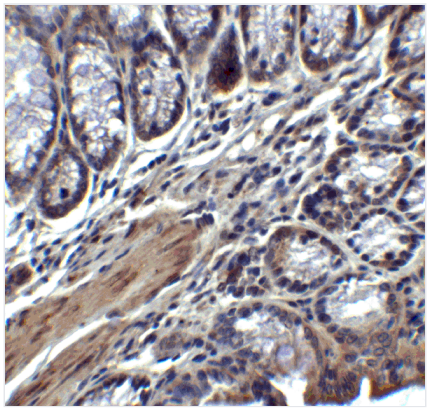
Western Blot (WB) of anti-IL17A antibody
Western blot analysis of 1 ng of recombinant human IL-17 with IL-17 antibody at 1 ?g/ml.



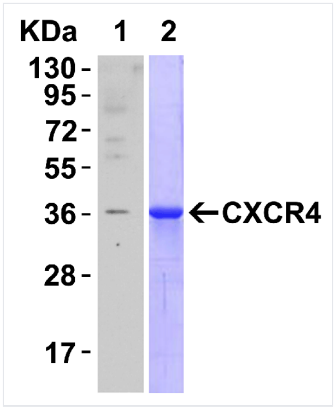
Immunohistochemistry (IHC) of anti-IL17A antibody
Immunohistochemistry of IL-17 in human tonsil tissue with IL-17 antibody at 5 ?g/ml.



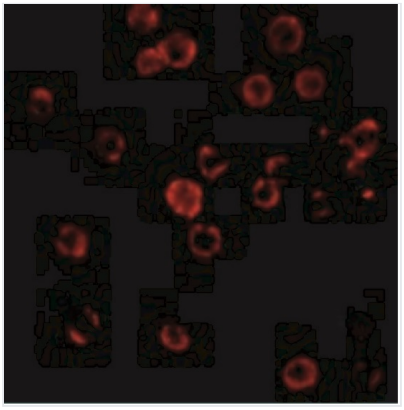
Immunofluorescence (IF) of anti-IL17A antibody
Immunofluorescence of IL-17 in human tonsil tissue with IL-17 antibody at 20 ?g/ml.Green: IL-17 Antibody (4887)Blue: DAPI staining



Immunohistochemistry (IHC) of anti-IL17A antibody
Immunohistochemistry of IL-17 in mouse colon tissue with IL-17 antibody at 2 ?g/ml.



Immunofluorescence (IF) of anti-IL17A antibody
Immunofluorescence of IL-17 in A-20 cells with IL-17 antibody at 5 ?g/ml.Green: IL-17 Antibody (4887)Blue: DAPI staining



Immunofluorescence (IF) of anti-IL17A antibody
Immunofluorescence of IL-17 in mouse thymus tissue with IL-17 Antibody at 20 ?g/mL.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL17A. It may not necessarily be applicable to this product.

NCBI GI #	4504651
NCBI GeneID	3605
NCBI Accession #	NP_002181
UniProt Primary Accession #	Q16552
UniProt Secondary Accession #	Q5T2P0

UniProt Related Accession #	Q16552
GenBank Nucleotide #	NM_002190.2
NCBI Official Full Name	interleukin-17A
NCBI Official Synonym Full Names	interleukin 17A
NCBI Official Symbol	IL17A
NCBI Official Synonym Symbols	IL17; CTLA8; IL-17; IL-17A
UniProt Protein Name	Interleukin-17A
UniProt Synonym Protein Names	Cytotoxic T-lymphocyte-associated antigen 8; CTLA-8
Protein Family	Interleukin
UniProt Gene Name	IL17A
UniProt Synonym Gene Names	CTLA8; IL17; IL-17; IL-17A; CTLA-8
UniProt Entry Name	IL17_HUMAN
NCBI Protein Information	interleukin-17A; CTLA-8; cytotoxic T-lymphocyte-associated antigen 8; cytotoxic T-lymphocyte-associated protein 8; interleukin 17 (cytotoxic T-lymphocyte-associated serine esterase 8)
NCBI Summary for IL17A	The protein encoded by this gene is a proinflammatory cytokine produced by activated T cells. This cytokine regulates the activities of NF-kappaB and mitogen-activated protein kinases. This cytokine can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide (NO). High levels of this cytokine are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis. [provided by RefSeq, Jul 2008]
UniProt Comments for IL17A	IL17A: Induces stromal cells to produce proinflammatory and hematopoietic cytokines. Enhances the surface expression of ICAM1/intracellular adhesion molecule 1 in fibroblasts. Belongs to the IL-17 family. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 6p12 Cellular Component: extracellular space; external side of plasma membrane Molecular Function: cytokine activity Biological Process: cell death; cell-cell signaling; positive regulation of osteoclast differentiation; apoptosis; positive regulation of interleukin-23 production; protein amino acid glycosylation; positive regulation of transcription from RNA polymerase II promoter; immune response; inflammatory response
Research Articles on IL17A	**1.** results argue in favour of a potential role of IL-17-producing iNKT cells in T1D and suggest that inflammation in T1D patients could induce a Th1/Th17 cytokine secretion profile in iNKT cells promoting disease development
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