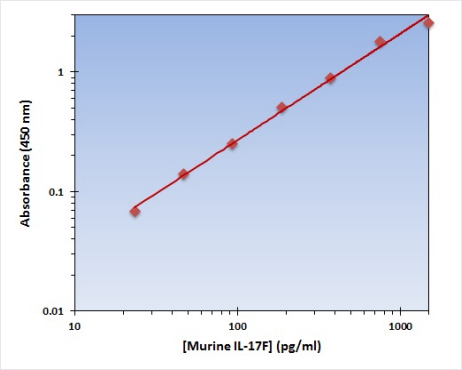
Il-17f ELISA Kit for Mouse

PRODUCT OVERVIEW

Product Name	IL-17F, ELISA Kit
Full Product Name	IL-17F (Murine) OmniKine ELISA Kit
Product Gene Name	IL-17F elisa kit
Product Synonym Gene Name	Il17f
Product Synonym Names	Interleukin-17F
Species Reactivity	Mouse
Assay Type	Sandwich ELISA
Samples	Plasma, serum, lysate
Detection Range	24-1500 pg/ml
Sensitivity	24-1500 pg/ml
Form/Format	12 x 8-Well Microstrips
Specificity	The OmniKine Murine IL-17F ELISA is capable of recognizing both recombinant and naturally produced Murine IL-17F proteins. The antigens listed below were tested at 50 ng/ml and did not exhibit significant cross reactivity or interference. Human: IL-17A/F Heterodimer, IL-17F Murine: IL-17, IL-17B, IL-17BR/Fc Chimera, IL-17C, IL-17D, IL-17E, IL-17R/Fc Chimera, IL-17 RC, IL-17 RD
Preparation and Storage	Store entire kit at 4 degree C until use.
Molecular Weight	17,020 Da
3D Structure	ModBase 3D Structure for Q7TNI7
Detection Method	Colorimetric 450 nm
Subtype	None
Related Product Information for IL-17F elisa kit	MBS9502008 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the IL-17F, ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing IL-17F. The ELISA analytical biochemical technique of the MBS9502008 kit is based on IL-17F antibody-IL-17F antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect IL-17F antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, IL-17F. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of IL-17F elisa kit 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.



Testing Data of IL-17F elisa kit
The OmniKine Murine IL-17F ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Murine IL-17F proteins within the range of 24-1500 pg/ml.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL-17F. It may not necessarily be applicable to this product.

NCBI GI #	119360346
NCBI GeneID	257630
NCBI Accession #	NP_665855.2
UniProt Primary Accession #	Q7TNI7
UniProt Secondary Accession #	Q8K4C3
UniProt Related Accession #	Q7TNI7
GenBank Nucleotide #	NM_145856.2
NCBI Official Full Name	interleukin-17F
NCBI Official Synonym Full Names	interleukin 17F
NCBI Official Symbol	Il17f
NCBI Official Synonym Symbols	C87042; IL-17F
UniProt Protein Name	Interleukin-17F
Protein Family	Interleukin
UniProt Gene Name	Il17f
UniProt Synonym Gene Names	IL-17F
NCBI Protein Information	interleukin-17F

UniProt Comments for IL-17F	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: Cytokine; Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 1|1 A4 Cellular Component: extracellular region; extracellular space Molecular Function: cytokine activity; cytokine binding; cytokine receptor binding; protein homodimerization activity Biological Process: cartilage development; cytokine biosynthetic process; inflammatory response; lymphotoxin A biosynthetic process; negative regulation of angiogenesis; positive regulation of transcription from RNA polymerase II promoter; regulation of granulocyte macrophage colony-stimulating factor biosynthetic process; regulation of interleukin-2 biosynthetic process; regulation of interleukin-6 biosynthetic process; regulation of interleukin-8 biosynthetic process; regulation of transforming growth factor beta receptor signaling pathway
Research Articles on IL-17F	**1.** our results indicate that Th17 cells contribute to the airway vascular remodeling in asthma by mediating EPC chemotaxis, as well as PMVEC tube formation, via IL-17A rather than IL-17F.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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