

IL17a/IL17f

Recombinant Mouse IL-17AF Heterodimer

Catalog No.	CS320A	Quantity:	5 µg
	CS320B		25 µg
	CS320C		1 mg
	CS320D		100 µg

Description: Interleukin-17AF (IL-17AF) is a member of the IL-17 family of proteins produced by a subset of T cells, called Th17, following stimulation with IL-23. The heterodimer formed by IL17A and IL17F is a ligand for the heterodimeric complex formed by IL17RA and IL17RC (By similarity). Involved in stimulating the production of other cytokines such as IL6, IL8 and CSF2, and in regulation of cartilage matrix turnover. Also involved in stimulating the proliferation of peripheral blood mononuclear cells and T-cells and in inhibition of angiogenesis (By similarity). Plays a role in the induction of neutrophilia in the lungs and in the exacerbation of antigen-induced pulmonary allergic inflammation. In regard to these functions, IL-17AF has less activity than the IL-17A homodimer but, greater activity than the IL-17F homodimer. Human and rat IL-17AF both show activity on mouse cells. Recombinant mouse IL-17AF is a non-glycosylated, disulfide-linked heterodimer. It is containing one IL-17A subunit and one IL-17F subunit.

Gene ID: 16171, 257630

UniProt ID: Q62386, Q7TNI7

Source: *E. coli*

Molecular Weight: 30.1 kDa (134/286 aa) dimer

Formulation: Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA).

Purity: ≥ 95% determined by reducing and non-reducing SDS-PAGE

Endotoxin Level: ≤ 1 EU/µg by kinetic LAL analysis

Amino Acid Sequence:

IL-17A subunit:
MAAIIPQSSA CPNTEAKDFL QNVKVNLIKVF NSLGAKVSSR RPSDYLNIRST
SPWTLHRNED PDRYPSVIWE AQCRHQRCVN AEGKLDHMHM SVLIQQEILV
LKREPESCPF TFRVEKMLVG VGCTCVASIV RQAA

IL-17F subunit:
MRKNPK AGVPALQKAG NCPPLEDNTV RVDIRIFNQN QGISVPREFQ NRSSSPWDYN
ITRDPHRFPS EIAEAQCRHS GCINAQQQED STMNSVAIQQ EILVLRREP

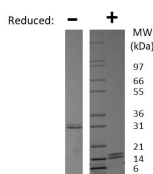
Reconstitution: **Centrifuge vial before opening.** When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.

Storage & Stability: Lyophilized product is stable at room temperature for shipping purposes. Upon receipt,

store at -20°C to -80°C for up to 1 year.

Upon reconstitution, the preparation is stable for up to one month at 2-8°C. For long term storage, prepare working aliquots and store at -20 to -80°C. For maximal stability, dilute to working aliquots in a 0.1% BSA solution.

Avoid repeated freeze-thaw cycles.



Mouse IL-17AF Heterodimer Gel

Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Mouse IL-17AF is a heterodimer with a predicted MW of 30.1 kDa (the Mouse IL-17A monomer is 15.1 kDa and the Mouse IL-17F monomer is 15.0 kDa).

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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