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32-12186: Mouse Interleukin-17AF Heterodimer

Gene :	Il17a
Gene ID :	16171
Uniprot ID :	Q62386/Q7TNI7
Alternative Name :	Ctla8,Â Il17, Cytotoxic T-lymphocyte-associated antigen 8

Description

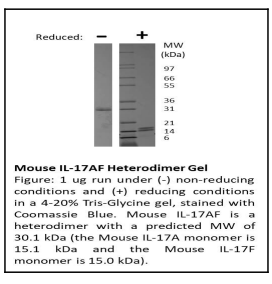
Source: Genetically modified E.coli.
Predicted MW:Â Dimer, 30.1 kDa (134/268 aa)
Â Interleukin 17AF (IL-17AF) is a heterodimer that is composed of the interleukin 17A (IL-17A) and interleukin 17F (IL-17F) members of the IL-17 family of cytokines. IL-17AF is produced by T helper 17 cells (Th17) following interleukin 23 (IL-23) stimulation. IL-17AF signals through the IL-17RA/IL-17RC receptor complex and functions to regulate inflammatory responses. IL-17AF induces chemokine and airway neutrophilia production, similar in function to IL-17A and IL-17F homodimers. In regard to these functions, IL-17AF is less active than the IL-17A homodimer and shows greater activity than the IL-17F homodimer. Human and rat IL-17AF are active on mouse cells.

Product Info

Amount :	25 µg / 100 µg
Purification :	Reducing and Non-Reducing SDS PAGE at >= 95%
Content :	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA) Sterile water at 0.1 mg/mL
Storage condition :	Store at -20°C
Amino Acid :	IL-17A: Â MAAIIPQSSA CPNTEAKDFL QNVKVNLKVF NSLGAKVSSR RPSDYLNRST SPWTLHRNED PDRYPSVIWE AQCRHQRCVN AEGKLDHHMN SVLIQQEILV LKREPESCPF TFRVEKMLVG VGCTCVASIV RQAA Â IL-17F: Â MRKNPKAGVP ALQKAGNCPP LEDNTVRVDI RIFNQNQGIS VPREFQNRSS SPWDYNITRD PHRFPSEIAE AQCRHSGCIN AQGQEDSTMN SVAIQQEILV LRREPQGCSN SFRLEKMLLK VGCTCVKPIV HQAA

Application Note

Endotoxin: Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.
Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80Ã□Â°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialed to compensate for this loss. Ã□Â Ã□Â



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).

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