

32-1475: mL 17 Recombinant Protein

Alternative Name : CTLA-8,IL-17,IL-17A,Cytotoxic T-lymphocyte-associated antigen 8.

Description

Source : Escherichia Coli. Interleukin-17 Murine Recombinant produced in E.Coli is a homodimeric, non-glycosylated polypeptide chain containing a total of 268 (2x134 a.a.) amino acids and having a molecular mass of 30 kDa. The IL-17 is purified by proprietary chromatographic techniques. IL17 is a proinflammatory cytokine produced by activated T cells. IL-17 regulates the activities of NF-kappaB and mitogen-activated protein kinases. Interleukin-17 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 IL-17 are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis.

Product Info

Amount :	25 µg
Purification :	Greater than 98.0% as determined by:(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Content :	Lyophilized from a concentrated (1mg/ml) solution containing no additives.
Storage condition :	Lyophilized Interleukin-17 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL17 should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Amino Acid :	MAAIIPQSSA CPNTEAKDFL QNVKVNLIKVF NSLGAKVSSR RPSDYLNIRST SPWTLHRNED PDRYPSVIWE AQCRHQRCVN AEGKLDHMM SVLIQQEILV LKREPESCPF TFRVEKMLVG VGCTCVASIV RQAA.

Application Note

It is recommended to reconstitute the lyophilized Interleukin 17 in sterile 18M Ω -cm H₂O not less than 100 Ω µg/ml, which can then be further diluted to other aqueous solutions. The ED50 as determined by the dose-dependant induction of IL-6 production in cultured mouse NIH 3T3 fibroblasts was found to be 0.4 ng/ml, corresponding to a specific activity of 2,500,000 units/mg.