

32-1468: IL17B Recombinant Protein

Alternative Name : Interleukin-17B,IL-17B,Cytokine Zcyto7,Interleukin-20,Neuronal interleukin-17-related factor,IL20,NIRF,ZCYTO7.

Description

Source : Escherichia Coli. Interleukin-17B Human Recombinant produced in E.Coli is a homodimeric, non-disulfide-linked polypeptide chain containing a total of 322 amino acids (2 chains of 161aa) and having a molecular mass of 36.5kDa. The IL-17B is purified by proprietary chromatographic techniques. IL-17 family members are glycoproteins secreted as dimers which induce local cytokine production and recruit granulocytes to sites of inflammation. The IL-17 family is comprised of at least six pro-inflammatory cytokines that share a conserved cysteine-knot structure but diverge at the N-terminus. IL-17 is induced by IL-15 and IL-23, mostly in activated CD4+ T cells distinct from Th1 or Th2 cells. IL-17B binds the IL-17B receptor, but not the IL-17 receptor; it is most homologous with IL-17D, which is expressed by resting CD4+ T cells and CD19+ B cells. IL17B Diseases associated with IL17B include spondyloarthritis, and neuronitis, and among its related super-pathways are Mucin expression in CF via IL-6, IL-17 signaling pathways and STAT3 Pathway.

Product Info

Amount :	25 µg
Purification :	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	Interleukin-17B was Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH7.4, 0.05% Tween-20 and 3%Trehalose.
Storage condition :	Lyophilized Interleukin 17B although stable at room temperature for 3 weeks, should be stored desiccated below -18C. Upon reconstitution IL17B should be stored at 4C between 2-7 days and for future use below -18C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Amino Acid :	MQPRSPKSKR KGQGRPGPLA PGPHQVPLDL VSRMKPYARM EYERNIEEM VAQLRNSEL AQRKCEVNLQ LWMSNKRSLS PWGYSINHDP SRIPVDLPEA RCLCLGCVNP FTMQEDRSMV SVPVFSQVPV RRRLCPPPPR TGPCRQRAVM ETIAVGCTCI F.

Application Note

It is recommended to reconstitute the lyophilized Interleukin 17B in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. The ED50 as determined by inducing IL-8 secretion of human HepG2 cells is less than 1.0µg/ml, corresponding to a specific activity of > 1000 IU/mg.