

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 EEYERNIEEM VAQLRNSSSEL AQRKCEVNLQ LWMSNKRSL S 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.

