

## IL 17B Human

**Description:** 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.

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

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered White lyophilized (freeze-dried) powder.

**Amino Acid Sequence:** MQPRSPKSKR KGQGRPGPLA PGPHQVPLDL VSRMKPYARM  
EEYERNIEEM VAQLRNSEL AQRKCEVNLQ LWMSNKRSLP PWGYSINHDP SRIPVDLPEA  
RCLCLGCVNP FTMQEDRSMV SVPVFSQVPV RRRLCPPPPR TGPCRQRAVM ETIAVGCTCI F.

**Purity:** Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

**Formulation:**

Interleukin-17B was Lyophilized from a 0.2

**Stability:**

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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Solubility:**

It is recommended to reconstitute the lyophilized Interleukin 17B in sterile 18M-cm H<sub>2</sub>O not less than 100

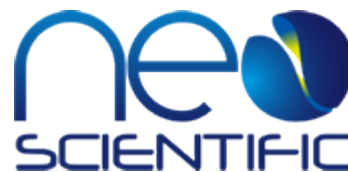
**Introduction:**

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.

**Biological Activity:**

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The ED50 as determined by inducing IL-8 secretion of human HepG2 cells is less than 1.0



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