

DATASHEET

Version 20181206

IL-19, Human**Cat. No.:** Z02932-1**Size:** 1.0 mg**Synonyms:** Melanoma differentiation association like protein**Description:**

Human Interleukin 19 (IL-19) is a member of the IL-10 family of related cytokines. IL-19 expression has been observed in keratinocytes and monocytes. IL-19 binds a receptor complex consisting of IL-20R alpha and the IL-20 R beta. This receptor complex is also shared by IL-20 and IL-24.

Amino Acid Sequence:

00001 LRRCLISTDM HHIEESFQEI KRAIQAKDTF PNVTLSTLE
00041 TLQIIKPLDV CCVTKNLLAF YVDRVFKDHQ EPNPKILRKI
00081 SSIANSFLYM QKTLRQCQEQ RQCHCRQEAT NATRVIHDNY
00121 DQLEVHAAAI KSLGELDVFL AWINKNHEVM SSA

Source: *E. coli***Species:** Human**Biological Activity:** Fully biologically active when compared to standard. The ED_{50} as determined by a cell proliferation assay using human IL-20R α and human IL-20R β co-transfected murine BaF3 pro-B cells is less than 1.5 ng/ml, corresponding to a specific activity of $> 6.7 \times 10^5$ IU/mg.**Molecular Weight:** Approximately 17.9 kDa, a single non-glycosylated polypeptide chain containing 153 amino acids.**Formulation:** Lyophilized from a 0.2 μ m filtered concentrated solution in PBS, pH 7.4.**Appearance:** Sterile Filtered White lyophilized (freeze-dried) powder.**Reconstitution:** We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.**Purity:** > 95 % by SDS-PAGE and HPLC analyses.**Endotoxin Level:** Less than 1 EU/ μ g of rHuIL-19 as determined by LAL method.**Storage:** This lyophilized preparation is stable at 2-8 °C, but should be kept at -20 °C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 °C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 °C to -70 °C. Avoid repeated freeze/thaw cycles.