

32-1487: IL 19 Recombinant Protein

Alternative Name : Melanoma differentiation association like protein,MDA1,NG.1,ZMDA1,IL-10C,IL-19.

Description

Source : Escherichia Coli. Interleukin-19 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 155 amino acids and having a molecular mass of 17913 Dalton. The IL-19 is purified by proprietary chromatographic techniques. IL19 is a cytokine that belongs to the IL10 cytokine subfamily. IL-19 is found to be preferentially expressed in monocytes. It can bind the IL20 receptor complex and lead to the activation of the signal transducer and activator of transcription 3 (STAT3). A similar cytokine in mouse is reported to up-regulate the expression of IL6 and TNF-alpha and induce apoptosis, which suggests a role of this cytokine in inflammatory responses. Alternatively spliced transcript variants encoding the distinct isoforms have been described.

Product Info

Amount :	10 µg
Purification :	Greater than 99.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	Lyophilized from a concentrated (1mg/ml) solution in water containing 10mM sodium citrate pH-5.
Storage condition :	Lyophilized Interleukin-19 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL19 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 :	The sequence of the first five N-terminal amino acids was determined and was found to be Met-Leu-Arg-Arg-Cys.

Application Note

It is recommended to reconstitute the lyophilized Interleukin -19 in sterile 18MΩ•cm H2O at a concentration of 0.5mg/ml or less. The activity is determined by it's ability to activate STAT following receptor-ligand interaction.

