9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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IL 19 Human

Interleukin-19 Human Recombinant
CYK0278

Product Overview

Name	IL 19 Human
Description	
Interleukin-19 Human Recombinant	
Accession (Primary)	Q9UHD0
Synonyms	
Melanoma differentiation association like protein, MDA1, NG.1, ZMDA1, IL-10C, IL-19.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a concentrated (1mg/ml) solution in water containing 10mM sodium citrate pH-5.	
Stability	
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.	
Purity	
Greater than 99.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
The sequence of the first five N-terminal amino acids was determined and was found to be Met-Leu-Arg-Arg-Cys.	
Biological Activity	
The activity is determined by it's ability to activate STAT following receptor-ligand interaction.	

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Solubility

It is recommended to reconstitute the lyophilized Interleukin -19 in sterile 18MΩ-cm H2O at a concentration of 0.5mg/ml or less.

Precautions

IL 19 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9UHD0)