
Product Data Sheet

Product Name: IL 19 Human
Cat. No.: GP20611
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Melanoma differentiation association like protein; MDA1; NG.1; ZMDA1; IL-10C; IL-19.		
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.		
Solubility	It is recommended to reconstitute the lyophilized Interleukin -19 in sterile 18MΩ-cm H ₂ O at a concentration of 0.5mg/ml or less.		
Formulation	Lyophilized from a concentrated (1mg/ml) solution in water containing 10mM sodium citrate pH-5.		

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.

Biological Activity

The activity is determined by it's ability to activate STAT following receptor-ligand interaction.

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

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

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.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA