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## Product Data Sheet

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Product Name: IL 19 Mouse  
Cat. No.: GP20612  
Batch No.: 1

### Product Data

Purity >98% Source Escherichia Coli.  
Physical Appearance solid Shipping Condition Shipped at Room temp.

Synonyms Interleukin-19; IL-19; IL19.

Amino Acid Sequence MLRRCLISVDMRLIEKSFHEIKRAMQTKDFTKVNLTLSLENLRSIKPGDVCCMTNLLTFYRDRVFQDHFQERSLEVLRRISSIANSFLCVQKSLERCQVHRC

Solubility It is recommended to reconstitute the lyophilized IL-19 in sterile 18M-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted.  
Formulation Lyophilized from a sterile filtered aqueous solution containing 5mM Na<sub>3</sub>PO<sub>4</sub> and 150mM NaCl, pH 7.5.

### 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.

### 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.

### Background

Interleukin-19 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 153 amino acids and having a molecular mass of 17.7kDa. The IL-19 is purified by proprietary chromatographic techniques.

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

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