

GFM75AF Recombinant Mouse IL-19 (Animal-Free)

Description

Interleukin-19 (IL-19) is a member of the interleukin-10 (IL-10) cytokine family and is produced by B cells and monocytes. IL-19 binds the interleukin-20 receptor complex (IL-20R) to activate STAT3 signaling. IL-19 induces interleukin-6 (IL-6) and Tumor Necrosis Factor α (TNF- α) expression in monocytes, and promotes T helper 2 (Th2) cell-mediated immune responses. IL-19 production is up-regulated in resting monocytes following Granulocyte-Macrophage Colony-Stimulating Factor (GM-CSF) or lipopolysaccharide (LPS) stimulation.

This product is produced with no animal derived raw products. All processing and handling employs animal free equipment and animal free protocols.

Length	153 aa
Molecular Weight	17.7 kDa
Source	E. coli
Accession Number	Q8CJ70
Purity	≥95% determined by reducing and non-reducing SDS-PAGE

Specifications

Alternative Names	Interleukin-19, interleukin 19, IL19, IL 19, melanoma differentiation associated-like protein
Biological Activity	Activity to be determined.
Endotoxin Level	≤1.00 EU/μg as measured by kinetic LAL
Formulation	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, 50 mM sodium chloride, pH 7.5
AA Sequence	MLRRCLISVD MRLIEKSFHE IKRAMQTKDT FKNVTILSLE NLRSIKPGDV CCMTNNLLTF YRDRVFQDHQ ERSLEVLRRRI SSIANSFLCV QKSLERCQVH RQCNCSEQEAT NATRIIHDNY NQLEVSSAAL KSLGELNILL AWIDRNHLET PAA

Preparation and Storage

Reconstitution	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/ml, which can be further diluted into other aqueous solutions.
Stability and Storage	12 months from date of receipt when stored at -20°C to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20°C to -80°C after reconstituting as directed.