

GFH88 Recombinant Human IL-19

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.

Length	154 aa
Molecular Weight	17.9 kDa
Source	E. coli
Accession Number	Q9UHD0
Purity	≥95% determined by reducing and non-reducing SDS-PAGE

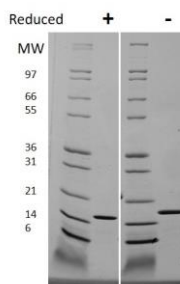
Specifications

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 0.1% Trifluoroacetic Acid (TFA)
AA Sequence	MLRRCLISTD MHHIEESFQE IKRAIQAKDT FPNVTILSTL ETLQIIKPLD VCCVTKNLLA FYVDRVFKDH QEPNPKILRK ISSIANSFLY MQKTLRQCQE QRQCHCRQEA TNATRVIHDN YDQLEVVHAAA IKSLGELDVF LAWINKNHEV MFSA

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.

Data



Non-reducing (-) and reducing (+) conditions in a 4 - 20% Tris-Glycine gel stained with Coomassie Blue. 1 μg of protein was loaded in each lane.
Human IL-19 has a predicted Mw of 17.9 kDa.