Recombinant Human IL19 Protein

Cat. No. IL19-146H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL19 Protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
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 alpha (TNF-a) 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.
Bio-activity	No biological activity data is available at this time.
Molecular Mass	Monomer, 17.9 kDa (154 aa)
AA Sequence	MLRRCLISTDMHHIEESFQEIKRAIQAKDTFPNVTILSTLETLQIIKPLDVCCVTKNLLAF YVDRVFKDHQEPNPKILRKISSIANSFLYMQKTLRQCQEQRQCHCRQEATNATRVIH DNYDQLEVHAAAIKSLGELDVFLAWINKNHEVMFSA
Endotoxin	≤1 EUs/μg, Kinetic LAL
Purity	≥95%, Reducing and Non-Reducing SDS PAGE

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Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied. 1 month when stored at 4 centigrade after reconstituting as directed. 3 months when stored at -20 to -80 centigrade after reconstituting as directed.
Storage	Storage Prior to Reconstitution: -20 centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
Reconstitution	Sterile water at 0.1 mg/mL
Shipping	Room temperature
Instructions	Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws.

GENE INFORMATION

Gene Name	IL19 interleukin 19 [Homo sapiens (human)]
Official Symbol	IL19
Synonyms	IL19; interleukin 19; interleukin-19; IL 10C; IL 19; MDA1; melanoma differentiation associated protein like protein; NG.1; ZMDA1; melanoma differentiation associated protein-like protein; melanoma differentiation-associated protein-like protein; IL-10C;
Gene ID	29949
mRNA Refseq	NM_013371

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Protein Refseq	NP_037503
MIM	605687
UniProt ID	Q9UHD0

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