

Recombinant Mouse IL19 Protein

Cat. No. IL19-147M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IL19 Protein without tag was expressed in E. coli.
Species	Mouse
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- α) expression in monocytes, and promotes type 2 T helper (Th2) cell-mediated immune responses. IL-19 production is upregulated 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, 17.7 kDa (153 aa)
AA Sequence	MLRRCLISVDMRLIEKSFHEIKRAMQTKDTFKNVTILSLENLRSIKPGDVCCMTNLLT FYRDRVFQDHQERSLEVLRRISSIANSFLCVQKSLERCQVHRQCNCQSQEATNATRII HDNYNQLEVSSAALKSLGELNILLAWIDRNHLETPAA
Endotoxin	≤ 1 EUs/ μ g, Kinetic LAL
Purity	$\geq 95\%$, Reducing and Non-Reducing SDS PAGE

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Stability	<p>12 months from date of receipt when stored at -20 to -80 centigrade as supplied.</p> <p>1 month when stored at 4 centigrade after reconstituting as directed.</p> <p>3 months when stored at -20 to -80 centigrade after reconstituting as directed.</p>
Storage	Storage Prior to Reconstitution: -20 centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, 50 mM sodium chloride, pH 7.5
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 [<i>Mus musculus</i> (house mouse)]
Official Symbol	IL19
Synonyms	IL19; interleukin 19; interleukin-19; IL-19;
Gene ID	329244
mRNA Refseq	NM_001009940
Protein Refseq	NP_001009940

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UniProt ID

Q8CJ70

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