

Active Recombinant Mouse Il19 Protein, His-Tagged

Cat. No. Il19-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Il19 Protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
Description	Interleukin 19 (IL-19) is a protein that in humans is encoded by the IL19 gene. This cytokine is found to be preferentially expressed in monocytes. It can bind the interleukin-20 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.
Form	Lyophilized powder
AA Sequence	MLRRCLISVDMRLIEKSFHEIKRAMQTKDTFKNVTILSLENLRSIKPGDVCCMTNNLLT FYRDRVFQDHQERSLEVLRRISSIANSFLCVQKSLE RCQVHRQCNCSEQEATNATRIIHDNYNQLEVSSAALKSLGELNILLAWIDRNHLETPAA with polyhistidine tag at the C-terminus
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.
Bio-activity	Measure by its ability to induce proliferation in BaF3 cells transfected with human IL-20 R alpha and human IL-20 R beta. The ED50 for this effect is <0.6 ng/mL.

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Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Notes	Please use within one month after protein reconstitution.

GENE INFORMATION

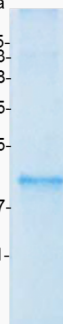
Gene Name	IL19 interleukin 19 [<i>Mus musculus</i> (house mouse)]
Official Symbol	IL19
Gene ID	329244
mRNA Refseq	NM_001009940.2
Protein Refseq	NP_001009940.1
UniProt ID	Q8CJ70

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