

Recombinant Active Mouse IL19 Protein, His-tagged(C-ter)

Cat. No. IL19-157M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Active Mouse IL19 Protein with His tag (C-ter) was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	The protein encoded by this gene is a cytokine that belongs to the IL10 cytokine subfamily. This cytokine is found to be preferentially expressed in monocytes. It can bind the IL20 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. [provided by RefSeq, Jul 2008]
Form	Powder
Bio-activity	Determined by its ability to induce proliferation in BaF3 mouse pro-B cells transfected with human IL-20 R alpha and human IL-20 R beta. The ED50 for this effect is < 0.6 ng/mL.
AA Sequence	MLRRCLISVDMRLIEKSFHEIKRAMQTKDTFKNVTILSLENLRSIKPGDVCCMTNNLLT FYRDRVFQDHQERSLEVLRRISSIANSFLCVQKSLERCQVHRQCNCNSQEATNATRII HDNYNQLEVSSAALKSLGELNILLAWIDRNHLETPAA

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Endotoxin	Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Applications	SDS-PAGE
Notes	For laboratory research only, not for drug, diagnostic or other use.
Storage	Lyophilized protein should be stored at -20°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Storage Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.

GENE INFORMATION

Gene Name	IL19 interleukin 19 [<i>Mus musculus</i>]
Official Symbol	IL19
Synonyms	IL19; interleukin 19; interleukin-19; IL-19;
Gene ID	329244
mRNA Refseq	NM_001009940

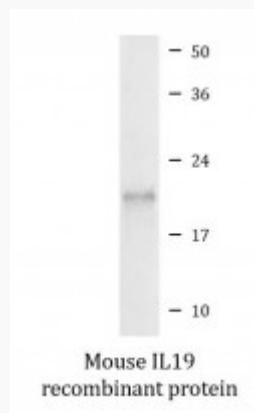
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Protein Refseq

NP_001009940

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