

## Recombinant Mouse IL-19

### Information

<b>Gene ID</b>	329244
<b>Accession #</b>	Q8CJ70
<b>Alternate Names</b>	
<b>Source</b>	<i>Escherichia coli</i> .
<b>M.Wt</b>	Approximately 17.6 kDa, a single non-glycosylated polypeptide chain containing 152 amino acids.
<b>AA Sequence</b>	LRRCLISVDM RLIEKSFHEI KRAMQTKDTF KNVTLISLEN LRSIKPGDVC CMTNNLLTFY RDRVFDHQE RSLEVLRRIS SIANSFLCVQ KSLERCQVHR QCNCSEQEATN ATRIIHDNYN QLEVSSAALK SLGELNILLA WIDRNHLETP AA
<b>Appearance</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Stability &amp; Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4, with 3 % Trehalose.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
<b>Biological Activity</b>	Fully biologically active when compared to standard. The ED <sub>50</sub> as determined by a cell proliferation assay using human IL-20Rα and human IL-20Rβ co-transfected murine BaF3 pro-B cells is less than 0.8 ng/ml, corresponding to a specific activity of > 1.25 × 10 <sup>6</sup> IU/mg.
<b>Shipping Condition</b>	Gel pack.
<b>Handling</b>	Centrifuge the vial prior to opening.
<b>Usage</b>	For Research Use Only! Not to be used in humans.

### Components and Storage

Components	10 µg	100 µg	500 µg
Recombinant Mouse IL-19	10 µg	100 µg	500 µg

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## Quality Control

Purity	> 97 % by SDS-PAGE and HPLC analyses.
Endotoxin	Less than 0.1 EU/μg of rMuIL-19 as determined by LAL method.

## Description

Interleukin-19 (IL-19) belongs to the IL-10 family that includes IL-10, IL-20, IL-22, IL-24, and IL-26. As a monomer made of seven amphipathic helices, IL-19 has a helical bundle and shares the same cell surface receptor (IL-20R) with IL-20 and IL-24. It may play some important roles in inflammatory responses because it up-regulates IL-6 and TNF-alpha and induces apoptosis.

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