

Recombinant Mouse Interleukin 17B, His-tagged

Cat. No. II17b-289M Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant mouse IL-17B produced in *Insect cells* is a non-covalently linked homodimer composed of 18 kDa monomeric subunits. It was fused to a his tag. MW = 18.2 kDa.

Species Mouse

Source Insect Cells

Description IL-17B is a member of the IL-17 family of cytokines, which is comprised of six proteins (IL-17A through IL-17F). IL-17 proteins are proinflammatory and induce local cytokine production as well as regulate immune functions. Unlike the other IL-17 family members, which are disulfide-linked dimers, IL-17B is a non-covalently linked dimer. Mouse and human IL-17B are highly homologous, exhibiting an 88% amino acid sequence identity between them. Amongst the IL-17 family, mouse IL-17B is most closely related to mouse IL-17D. Present in a variety of tissues, IL-17B is most highly expressed in the spinal cord. Reports have linked IL-17B with TNF- α production and the exacerbation of inflammatory arthritis.

Purity Greater than 95% as determined by SDS-PAGE.

Form Sterile liquid, 20 mM phosphate buffer, 50mM NaCl pH 7.5 with 1.0% BSA, 0.22 μ m filtered.

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Endotoxin Level	Less than 0.01 ng/ug cytokine as determined by the LAL assay.
Bioactivity	Testing in progress.
Applications Tested	Currently there is no reliable bioassay available for recombinant mouse IL-17B.
Temperature Limitation	Store at less than or equal to -70°C.
Handling Conditions	For best recovery, quick-spin vial prior to opening. Use in a sterile environment.

GENE INFORMATION

Gene Name	IL17b interleukin 17B [Mus musculus]
Synonyms	IL17b; interleukin 17B; Zcyto7; 1110006O16Rik; 1700006N07Rik; interleukin-17B; IL-17B; cytokine CX1; cytokine-like protein ZCYTO7; gene for cytokine-like protein; neuronal interleukin-17-related factor
Gene ID	56069
mRNA Refseq	NM_019508
Protein Refseq	NP_062381
UniProt ID	Q9QXT6
Chromosome Location	18; 18 D3
Pathway	Cytokine-cytokine receptor interaction

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Function

cytokine activity; receptor binding

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