

Active Recombinant Mouse Il17a Protein (133 aa)

Cat. No. Il17a-253l **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant murine IL-17A is a 15-20kDa glycosylated cytokine of 133 amino acid polypeptide chain that plays an important role in antimicrobial and chronic inflammation. IL-17 exhibits multiple biological activities on a variety of cells including the induction of IL-6 and IL-8 production in fibroblasts, the enhancement of surface expression of ICAM-1 in fibroblasts, activation of NF-κB and costimulation of T cell proliferation.
Species	Mouse
Source	CHO
ProteinLength	133
Description	Interleukin-17A, (also known as CTLA-8) is a T cell-expressed pleiotropic cytokine that exhibits a high degree of homology to a protein encoded by the ORF13 gene of herpesvirus Saimiri. cDNA clones encoding IL-17 have been isolated from activated rat, mouse and human T cells. IL-17 represents a family of structurally-related cytokines that share a highly conserved C-terminal region but differ from one another in their N-terminal regions and in their distinct biological roles. The six known members of this family, IL-17A through IL-17F, are secreted as homodimers.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	Measured by its ability to induce IL-1a, IL-4 and IL-6 production by primary mouse splenocytes.

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Molecular Mass	15-22 kDa, observed by reducing SDS-PAGE.
AA Sequence	AAIIPQSSACPNTAKDFLQNVKVNKVFNSLGAKVSSRRPSDYLNIRSTSPWTLHRN EDPDYRPSVIWEAQCRHQRCVNAEGKLDHMHMNSVLIQQEILVLKREPESCPFTFRV EKMLVGVGCTCVASIVRQAA
Endotoxin	< 0.2 EU/μg, determined by LAL method.
Purity	> 95% as analyzed by SDS-PAGE.
Storage	Lyophilized recombinant Murine Interleukin-17A (IL-17A) remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, recombinant murine IL-17A should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 μg/mL.

GENE INFORMATION

Gene Name	Il17a interleukin 17A [<i>Mus musculus</i>]
Official Symbol	Il17a
Synonyms	IL17A; interleukin 17A; interleukin-17A; cytotoxic T-lymphocyte-associated antigen 8; Il17; Ctl8; IL-17; Ctl8-8; IL-17A;
Gene ID	16171
mRNA Refseq	NM_010552

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Protein Refseq	NP_034682
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UniProt ID	Q62386
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