

Recombinant Murine Interleukin-17 (rm IL-17 / IL-17A)

Murine **Interleukin-17** is a disulfide linked homodimer, secreted by activated T-cells that act on stromal cells to induce production of proinflammatory and hematopoietic bioactive molecules. Today, 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. IL-17A exhibits cross-species bioactivity between human and murine cells.

Recombinant murine IL-17 produced in *E. Coli* is a homodimeric, non-glycosylated polypeptide chain containing a total of 266 amino acids and having a molecular mass of 30 kDa.

Synonyms :	Cytotoxic T-lymphocyte-associated antigen 8 (CTLA-8)
Source:	<i>Escherichia coli</i>
AA Sequence:	MAAIIQSSA CPNTEAKDFL QNVKVNLIKVF NSLGAKVSSR RPSDYLNRSR SPWTLHRNED PDRYPSVIWE AQCRHQRCVN AEGKLDHHRN SVLIQQEILV LKREPESCPF TFRVEKMLVG VGCTCVASIV RQAA
Formulation:	Lyophilisate from a 0.22 µm filtered carrier free solution in PBS, pH 7.2
Reconstitution:	Reconstitute in sterile endotoxin free water not less than 100 µg/ml
Stability:	The lyophilized protein is stable for at least 2 years at -20°C. Reconstituted rm IL-17 is stable for at least 3 months when stored in concentrated working aliquots (100 ng/µl or higher) at -20°C. Avoid repeated freeze/thaw cycles.
Biological Activity:	Measured by its ability to induce IL-6 production by NIH 3T3 cells.
Purity:	95% (verified by SDS-PAGE / silver stain)
Endotoxicity:	The endotoxin level is less than 0.1 ng per µg (1EU/µg) determined by LAL method
Order N°:	rm IL-17 +Size available sizes: 5 µg, 25 µg, 100 µg

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