

Product Datasheet

RecombinantIL-17A,Mouse (orb1494714)

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. 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.
Endotoxins	< 0.2 EU/μg, determined by LAL method.
Preservatives	Lyophilized after extensive dialysis against PBS.
Form/Appearance	Lyophilized after extensive dialysis against PBS.
Storage	Lyophilized recombinant Murine Interleukin-17A (IL-17A) remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, recombinant murine IL-17A should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Note	For research use only
Application notes	Reconstituted in ddH2O or PBS at 100 μg/ml.
Protein Sequence	AAIIPQSSACPNTTEAKDFLQNVKVNLIKVFNSLGAKVSSRRPSDYLNIRSTSPWTLHRNEDPD RYPSPVIWEAQCRHQRCVNA EGKLDHHMNSVLIQQEILVLKREPESCPFTFRVEKMLVGVGCTCVASIVRQAA
Purity	> 95% as analyzed by SDS-PAGE.
Source	CHO

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MW 15-22 kDa, observed by reducing SDS-PAGE.

Expiration Date 6 months from date of receipt.

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