

Overview

Synonyms	IL-17A, CTLA-8
Description	<p>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.</p> <p>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.</p>
Accession No	Q62386
Species	Mouse
Source	CHO
Biological Activity	Measured by its ability to induce IL-1a, IL-4 and IL-6 production by primary mouse splenocytes.
Sequence	<p>AAIIPQSSAC PNTEAKDFLQ NVKVNLIKVFN SLGAKVSSRR PSDYLNRRSTS PWTLHRNEDP DRYPSVIWEA QCRHQRCVNA EGKLDHMMNS VLIQQEILVL KREPESCPFT FRVEKMLVGV GCTCVASIVR QAA</p>

Properties

Measured Molecular Weight	15-22 kDa, observed by reducing SDS-PAGE.
Purity	> 95% as analyzed by SDS-PAGE.
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 μ g/ml.
Endotoxin Level	< 0.2 EU/ μ g, determined by LAL method.
Storage	Lyophilized recombinant Murine Interleukin-17A (IL-17A) remains stable up to 6 months at lower than -70°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

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