

Recombinant Equine Interleukin-17A (req IL-17A)

Synonyms: Cytotoxic T-lymphocyte-associated antigen 8 (CTLA-8).

Introduction: IL-17 is a proinflammatory cytokine produced by activated T cells. IL-17 regulates the activities of NF-kappaB and mitogen-activated protein kinases. IL-17 can stimulate the expression of IL-6 and Cyclooxygenase-2 (COX-2) as well as enhance the production of nitric oxide (NO). High levels of IL-17 are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis.

Description: Recombinant equine IL-17A produced in *E.Coli* is a homodimeric, non-glycosylated polypeptide chain containing a total of 262 amino acids and having a molecular mass of 29866 Dalton. The req IL-17 is purified by proprietary chromatographic techniques.

Source: *Escherichia Coli*.

Physical Appearance: Sterile filtered white lyophilized (freeze-dried) powder.

Formulation: lyophilized from a 0.22 µm filtered solution in 25 mM sodium phosphate + 0.2 M NaCl, pH 7.4

Solubility: It is recommended to reconstitute the lyophilized req IL-17 in sterile H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Stability: Lyophilized req IL-17 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution req IL-17 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSS or BSA). Please prevent freeze-thaw cycles.

Purity: 95.0% as determined by SDS-PAGE silver stained gel.

Endotoxicity: The endotoxin level is less than 1ng /µg (IEU/µg) determined by LAL method

Amino Acid Sequence:

MGIVIPQNPECPNTGDKNFPQNVKINLNLNRKTNRRASDYHNRSTSPWNLHRNEDPERYPSVIWEAKCRHL
GCVNAEGKVDHFMNSVPIQQEILVLRRESQNCPSHFQLEKMLVAVGCTCVTPIVRHMG

Biological Activity: biologically active

This material is offered for **research use only**. Not for use in human. For *in vitro* use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

<i>small</i>	5 µg	Cat.N°	18340170
<i>medium</i>	25 µg	Cat.N°	18340174
<i>large</i>	100 µg	Cat.N°	18340176

ImmunoTools Excellent Quality - Advantageously priced

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