

IL17A, 24-155aa , Human, His tag, Insect cell

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3th Edition

Synonyms:Interleukin 17A, CTLA8, IL-17, IL-17A, IL17

Description:IL17A, also known as Interleukin 17, is a cytokine that acts as a potent mediator in delayed-type reactions by increasing chemokine production in various tissues to recruit monocytes and neutrophils to the site of inflammation. It is produced by T-helper cells and is induced by IL23 which results in destructive tissue damage in delayed-type reactions. This protein is a 155 amino acid protein that is a disulfide-linked, homodimeric, secreted glycoprotein with a molecular mass of 35kDa. The structure of IL17A consists of a signal peptide of 23 amino acids followed by a 123 aa chain region characteristic of the IL17 family. An N-linked glycosylation site on the protein was first identified after purification of the protein revealed two bands, one at 15kDa and another at 20kDa. Recombinant human IL17A, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In phosphate buffered saline (pH 7.4) containing 20% glycerol, 1mM EDTA, 0.1mM PMSF.

Molecular Weight:15.9kDa (138aa) 13.5-28kDa (SDS-PAGE under reducing conditions.)

Sequences:

GITIPRNP GCPNSEDKNFPRTVMVNLNIHNRNTNTNPKRSSDYNNRSTSPWNLHRNEDPERYP SVIWEAKCRHLG
CINADGNVDYHMNSVPIQQEILVLRREPPHCPNSFRLEKILVSVGCTCVTPIVHHVAHHHHHH

Purity:> 95% by HPLC

Concentration:0.25mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.