

Human Interleukin 17 (IL-17)

CATALOG NUMBER: IL-17-025P, 25 µg

Introduction The IL-17 family is comprised of at least six proinflammatory cytokines that share a conserved cysteine-knot structure but diverge at the N-terminus. IL-17 family members are glycoproteins secreted as dimers that induce local cytokine production and recruit granulocytes to sites of inflammation. IL-17 is induced by IL-15 and IL-23, mainly in activated CD4+ T cells distinct from Th1 or Th2 cells.

Description Recombinant human IL-17 produced in Yeast is a glycosylated disulfide-linked homodimer, containing 157 amino acids with a predicted molecular weight of 25-35 kDa.

Source Yeast

Purity ≥ 97% purity (by SDS PAGE and HPLC)

Endotoxin Level ≤1 EU/mg, determined by the LAL method

Biological Activity Induction of IL-6 by WISH cell in response to the recombinant human IL-17 was measured using human IL-6 ELISA.

The tested activity was as follow:

<i>IL-17 concentration (ng/ml)</i>	<i>IL-6 induction (pg/ml)</i>
15	200
1	100

Formulation Lyophilized from a 0.2µm filtered solution in PBS containing 100 mM Glycine, 100 mM NaCl, pH3.0.

Reconstitute with double distilled water at a concentration of no less than 100 µg/ml with 0.1% human serum albumin (A highly purified plant-derived human serum albumin is strongly suggested to be used, Cat# HAS-1r) or bovine serum albumin as a stock.

Storage Stable for 6-months from the date of shipment when kept at -20 °C or -70 °C. Upon reconstitution, it can be stored at 4 °C for at least one month or -20 °C for at least three months. Avoid repeated freeze-thaw cycles.

Usage This product is produced for LABORATORY RESEARCH USE ONLY.