

Recombinant Human IL-17 (IL-17A)

Cat. #: SI17A-010

Product Specifications

- Expression of Human Proteins in Human Cells
- Extremely Low Endotoxin Level
- High Purity
- Animal Free and Xeno Free
- Tag Free

Protein Description

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. IL-17(IL-17A) is a homodimer of two 136 amino acid chains that are secreted by activated T cells. IL-17A is expressed by activated Th17 cells. IL-17A induces stromal cells to produce proinflammatory and hematopoietic cytokines. It also enhances the surface expression of ICAM1 (intracellular adhesion molecule 1) in fibroblasts.

References

- Bettelli E, et al. (2008) Nature 453, 1051-1057.
- Cua DJ, et al. (2010) Nat. Rev. Immunol. 10, 479.
- Fossiez F, et al. (1996) J. Exp. Med. 183, 2593-2603.

Source: Derived from human cells

Size: 10 µg

Shipping: Ambient temperature

Structure: Glycosylated monomer

Purity: >95% by SDS-PAGE

Endotoxin Level: <0.5 EU/µg

Molecular Weight: 30-35 kDa

Formulation: Lyophilized from a 0.2 µm filtered solution in PBS without carrier protein

Activity Assay

Activity was measured by its ability to induce IL-6 expression in the NHDF adult fibroblasts.

Reconstitution

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

Stability and Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80° C as supplied. 1 month, 2 to 8° C under sterile conditions after reconstitution. 3 months, -20 to -80° C under sterile conditions after reconstitution.

