IL-17 Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: IL-17, CTLA-8

Cat. No.:

RBG10017A005	(5 µg)
RBG10017A025	(25 µg)
RBG10017A100	(100 µg)

Description

The originally described IL-17 protein, now known as IL-17A, is a homodimer of two 136 amino acid chains that are secreted by activated T-cells, which act on stromal cells to induce production of proinflammatory and hematopoietic bioactive molecules. Today, 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. IL-17A exhibits cross-species bioactivity between human and murine cells. Recombinant Human IL-17A is a 31.3 kDa, disulfide-linked homodimer of two 137 amino acid, polypeptide chains.

Research topic

Cardiovascular disease, Coronary artery disease, Immune Response, Infection and Inflammation

Amino Acid Sequence

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MIVKAGITIP RNPGCPNSED KNFPRTVMVN LNIHNRNTNT NPKRSSDYYN RSTSPWNLHR NEDPERYPSV IWEAKCRHLG
CINADGNVDY HMNSVPIQQE ILVLRREPPH CPNSFRLEKI LVSVGCTCVT PIVHHVA
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Source

E. coli

Purity

98%

Biological Activity

Measured by its ability to induce IL-6 production by NHDF cells using a concentration range of 0.5-1.5 ng/ml.

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Storage, Stability/Shelf Life

-20°C

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