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Product Information

HumanKine™ Interleukin-17A, human recombinant, expressed in HEK 293 cells

Catalog Number **H7791**
Storage Temperature –20 °C

Synonyms: IL-17, CTLA-8

Product Description

HumanKine™ IL-17A, expressed in human 293 cells, is a glycosylated homodimer with an apparent molecular mass of 30–35 kDa due to glycosylation. Production in human 293 cells offers authentic glycosylation. Glycosylation contributes to stability in cell growth media and other applications.

IL-17A belongs to the IL-17 family and is produced by Th17 cells, a subset of T helper cells. IL-17 induces stromal cells to produce proinflammatory and hematopoietic cytokines, upregulates production of growth factors that promote angiogenesis, and enhances expression of adhesion molecules in fibroblasts.

This product is lyophilized from a solution of 10 mM Tris-HCl, pH 7.4, with 250 mM NaCl.

ED_{50}: ≤50 ng/mL

The specific activity was determined by the dose dependent induction of IL-6 secretion from NDHF Adult fibroblasts.

Purity: ≥90%

Endotoxin level: ≤1 EU/µg

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions

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.

Storage/Stability

Store the product at –20 °C. The lyophilized product remains active for one year at –20 °C.

Upon reconstitution, the cytokine can be stored at 2–8 °C for short term only, or at –20 °C to –80 °C in aliquots for long term. Avoid repeated freeze-thaw cycles.

References

1. Ogura, H. et al., Immunity, **29**, 628-639 (2008).
2. Bettelli, E. et al., Nature, **453**, 1051-1057 (2008).

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