

## Product Information

### **HumanKine™ Interleukin-17F, human recombinant, expressed in HEK 293 cells**

Catalog Number **H7916**

Storage Temperature  $-20^{\circ}\text{C}$

Synonym: IL-17F

#### **Product Description**

HumanKine™ IL-17F is a glycosylated homodimer with an apparent molecular mass of 38 kDa. Production in human 293 cells offers authentic glycosylation. Glycosylation contributes to stability in cell growth media and other applications.

IL-17F belongs to the IL-17 protein family. It promotes the production of TGF- $\beta$ , G-CSF, IL-6. It stimulates peripheral blood mononuclear cell proliferation as well as T-cell proliferation and inhibits endothelial angiogenesis. IL-17 is important in cartilage matrix turnover.

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

ED<sub>50</sub>:  $\leq 1,000$  ng/mL

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

Purity:  $\geq 90\%$

Endotoxin level:  $\leq 1$  EU/ $\mu\text{g}$

#### **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  $-20^{\circ}\text{C}$ . The lyophilized product remains active for one year at  $-20^{\circ}\text{C}$ .

Upon reconstitution, the cytokine can be stored at  $2-8^{\circ}\text{C}$  for short term only, or at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$  in aliquots for long term. Avoid repeated freeze-thaw cycles.

#### **References**

1. Yang, X.O. et al., JEM, **205**, 1063-1075 (2008).
2. Bettelli, E. et al., Nature, **453**, 1051-1057 (2008).

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