Recombinant Mouse Interleukin-17F (rm IL-17F)

Introduction: Murine IL-17F, a member of the IL-17 family of structurally related cytokines, has been shown to stimulate proliferation and activation of T-cells and PBMCs. IL-17F also regulates cartilage matrix turnover and inhibits angiogenesis.

Description: Recombinant murine IL-17F produced in *E.Coli* is a disulfide-linked homodimer of 30 kDa, consisting of two 134 amino acid residue chains.

Source: *Escherichia Coli*.

Physical Appearance: Sterile filtered white lyophilized (freeze-dried) powder.

Formulation: Lyophilized from a 0.22 µm filtered solution in 25 mM sodium phosphate, pH 6.8 + 200 mM NaCl. The sample size of 1µg contains Trehalose 5% (w/vol) for better recovery

Solubility: It is recommended to reconstitute the lyophilized rm IL-17F in sterile H_2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Stability: Lyophilized rm IL-17F although stable at room temperature for 3 weeks, should be stored desiccated below -18° C . Upon reconstitution rm IL-17F should be stored at 4° C between 2-7 days and for future use below -18° C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Purity: 95.0% as determined by SDS-PAGE.

Amino Acid Sequence: MRKNPKAGVP ALQKAGNCPP LEDNTVRVDI RIFNQNQGIS VPREFQNRSS SPWDYNITRD PHRFPSEIAE AQCRHSGCIN AQGQEDSTMN SVAIQQEILV LRREPQGCSN SFRLEKMLLK VGCTCVKPIV HQAA

Endotoxicity: The endotoxin level is less than 1 EU/mg (0.1 ng/ml) determined by LAL method

Biological Activity: Determined by dose-dependent stimulation of IL-6 secretion of human fibroblasts

This material is offered for **research only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

small	5 µg	Cat.N°	12349170
medium	25 µg	Cat.N°	12349174
large	100 µg	Cat.N°	12349176
x-large	500 µg	Cat.N°	12349177

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