

Recombinant Murine Interleukin-17F (m-IL-17F)

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|-------------------|------------|--------|
| CATALOG #: | 4177F-25 | 25 µg |
| | 4177F-100 | 100 µg |
| | 4177F-1000 | 1 mg |

LOT #: _____

SOURCE: *E. coli*

PURITY: > 98% by SDS-PAGE and RP-HPLC analysis
Endotoxin level is < 0.01 ng per µg of rm- IL-17F.

MOL. WEIGHT: 29.8 kDa

FORM: Lyophilized with no additives.

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in sterile water to a concentration of 0.1 mg/ml (Note: Gently pipetting to dissolve). The solution can then be diluted into other aqueous buffers.

STORAGE CONDITIONS:

The lyophilized product is best-stored at -20 °C. Upon reconstitution the material should be aliquoted and frozen at -20 °C. It is recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.

DESCRIPTION:

Homodimeric interleukin-17F is a member of the IL-17 family of six homodimeric proteins (IL-17A-17F). Activated CD4+ T cells have also been shown to produce Mouse IL-17F. Activity studies reveal IL-17A to be the most potent, followed by IL-17A/F and IL-17F 100 fold lower than IL-17A. Recombinant Mouse IL-17F produced in E.Coli is a non-glycosylated polypeptide comprised of two monomeric subunit each of mIL-17F. The dimer consists of 266 amino acids, with an approximate molecular weight of 29.8 kDa.

BIOLOGICAL ACTIVITY:

IL-17F is fully bioactive when compared to standard. The ED₅₀ as determined by the dose-dependent induction of IL-6 in NHDF is 1.94 ng/ml.

AA SEQUENCE:

RKNPKAGVPALQKAGNCPPLDNTVRVDIRIFNQNQGISVPREFQNRSSSPWDYNITRDP
HRFPSEIAEAQCRHSGCINAQGQEDSTMNSVAIQQEILVLRREPQGCNSFRLEKMLLKV
GCTCVKPIVHQAA

FOR RESEARCH USE ONLY! Not to be used in humans.

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