

Mouse IL 17 Recombinant Protein



RPPB0608

Product Information Protein Information

Product SKU:

RPPB0608

Accession:

Q62386

Host:

Escherichia Coli.

Protein description:

Interleukin-17 Murine Recombinant produced in E.Coli is a homodimeric, non-glycosylated polypeptide chain containing a total of 268 (2x134 a.a.) amino acids and having a molecular mass of 30 kDa. The IL-17 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

CTLA-8, IL-17, IL-17A, Cytotoxic T-lymphocyte-associated antigen 8.

Formulation:

Lyophilized from a concentrated (1mg/ml) solution containing no additives.

Purity:

Greater than 98.0% as determined by:(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Interleukin 17 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Interleukin-17 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL17 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.

Amino Acid Sequence:

MAAIIPQSSA CPNTEAKDFL QNVKVNLIKVF NSLGAKVSSR RPSDYLNIRST SPWTLHRNED PDRYPSVIWE
AQCRHQRCVN AEGKLDHMMN SVLIQQEILV LKREPESCPF TFRVEKMLVG VGCTCVASIV RQAA.

Biological Activity:

The ED₅₀ as determined by the dose-dependant induction of IL-6 production in cultured mouse NIH 3T3 fibroblasts was found to be 0.4 ng/ml, corresponding to a specific activity of 2,500,000 units/mg.