



Recombinant Mouse

Interleukin-2

Catalog Number: 200-17

Lot Number: 0508-200-17

Specifications and Use

Description:

Recombinant Mouse IL-2 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 149 amino acids and having a molecular mass of 17231 Dalton.

Physical Appearance:

Sterile Filtered white lyophilized (freeze-dried) powder.

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Source: E.coli

Formulation:

The protein (1mg/ml) was lyophilized after extensive dialysis against 10mM sodium citrate buffer to a pH=4.

Reconstitution:

It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg's/ml, which can be further diluted into other aqueous solutions.

Stability:

Lyophilized product is very stable at -20 degrees. Reconstituted material should be aliquoted and frozen at -20. It is recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.

Purity Greater than 98% as determined by:

Analysis by RP-HPLC.

Reducing and non-reducing SDS-PAGE.

Protein Content determined by:

UV spectroscopy at 280 nm.

Analysis by RP-HPLC calibrated against a known standard.

Quantitation on SDS-PAGE against a known standard.

Biological Activity:

Recombinant Murine IL-2 is fully biologically active when compared to standard. The ED50 as determined by the dose-dependant stimulation of murine CTLL-2 cells is < 0.2 ng/ml, corresponding to a Specific Activity of 5 MIU/mg.

Endotoxin Level:

Endotoxin level as measured by LAL is <0.01ng/ug or <0.1EU/ug.

AA Sequence:

PTSSSTSSST AEAQQQQQQ QQQQHLLEQL LMDLQELLSR MENYRNLKLP RMLTFKFYLP KQATELKDLQ
CLEDELGPLR HVLDLTQSKS FQLEDAENFI SNIRVTVVKL KGSNTFECQ FDESATVVD FLRRWIAFCQ
SIIISTSPQ

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NOT FOR USE IN HUMANS!

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