

Recombinant Murine Interleukin-13 (IL-13)

CATALOG #: 4165-10 10 µg
4165-1000 1 mg

LOT #: _____

SOURCE: *E. coli*

PURITY: >98% by SDS-PAGE and HPLC analysis
Endotoxin level is <0.1 ng per µg of IL-13.

MOL. WEIGHT: 12.3 kDa

FORMULATION: Sterile filtered and lyophilized from 10 mM Sodium Citrate, pH 4.0

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 µg/µl (Note: Slow to dissolve). The solution can be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

STORAGE CONDITIONS:

The lyophilized IL-13 is best-stored desiccated below 0°C. Reconstituted IL-13 should be stored at working aliquots at -20°C.

DESCRIPTION:

IL-13 is a immunoregulatory protein produced by activated T lymphocytes. The biological activities of IL-13 include the stimulation of B cell proliferation and immunoglobulin production. Recombinant murine IL-13 is a 12.3 kDa protein containing 111 amino acid residues.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the dose-dependent stimulation of the proliferation of TF-1 cells was ≤ 4.0 ng/ml, corresponding to a specific activity of ≥ 2.5 x 10⁵ units/mg.

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

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