

## Recombinant Murine Interleukin-13 (IL-13)

**CATALOG #:** 4165-10 10 µg  
4165-50 50 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 ED<sub>50</sub> 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 10<sup>5</sup> units/mg.

**FOR RESEARCH USE ONLY! Not to be used on humans.**

### RELATED PRODUCTS:

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- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

#### Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

#### Cell Proliferation & Senescence

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
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- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
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- Cloning Insert Quick Screening Kit
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- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

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