

Recombinant Human Interleukin-13 (IL-13)

CATALOG #:

4164-10	10 µg
4164-50	50 µg
4164-1000	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: 12.5 kDa

FORMULATION: Sterile filtered and lyophilized from 20 mM HCl

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in 5-10 mM HCl to a concentration of 0.1 µg/µl. The solution can then 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 should be stored desiccated below 0°C. Reconstituted IL-13 should be stored at working aliquots at -20°C.

DESCRIPTION:

IL-13 is an immunoregulatory protein produced by activated T lymphocytes. The biological activities of IL-13 include the stimulation of B cell proliferation, immunoglobulin production, and induction of differentiation of B cells and monocytic lineage. Recombinant human IL-13 is a 12.5 kDa protein containing 114 amino acid residues.

BIOLOGICAL ACTIVITY:

The ED₅₀ determined by the dose-dependent stimulation of the proliferation of TF-1 cells was ≤ 1.0 ng/ml, corresponding to a specific activity of ≥ 1 x 10⁶ units/mg.

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

RELATED PRODUCTS:

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

Cell Fractionation System

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

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
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- Bioluminescence Cytotoxicity Assay Kit
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