

Recombinant Human IL-10

CATALOG #: 4155-10 10 µg
4155-1000 1 mg

LOT #: _____

SOURCE: *E. coli*

PURITY: >98% by SDS-PAGE and HPLC analyses
Endotoxin level is <0.1 ng per µg of IL-10.

MOL. WEIGHT: 18.6 kDa

FORMULATION: Lyophilized from PBS

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water a concentration of 0.1-1.0 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-10 is best-stored desiccated below 0°C. Reconstituted IL-10 should be stored at working aliquots at -20°C. For long term storage it is recommended to add a carrier protein (0.1% HAS or BSA). Prevent freeze-thaw cycles.

DESCRIPTION:

IL-10 (Interleukin-10), originally known as Cytokine Synthesis Inhibitory Factor (CSIF), is an 18.6 kDa protein containing 161 amino acid residues. It shares over 80% sequence homology with the Epstein-Barr Virus protein BCRF1. The reported biological activities of IL-10 include inhibition of macrophage-mediated cytokine synthesis, suppression of the delayed-type hypersensitivity response, and stimulation of the Th2 cell response which results in elevated antibody production.

BIOLOGICAL ACTIVITY:

The ED₅₀ determined by the dose-dependent co-stimulation (with murine IL-4) of MC/9 cells is ≤ 2 ng/ml, corresponding to a specific activity of ≥ 5 × 10⁵ units/mg.

USAGE: For Research Purpose Only! Not to be used in humans.

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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

- Mitochondria/Cytosol Fractionation Kit
- 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
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

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