

## Recombinant Human Interleukin-8 (IL-8)

**CATALOG #:** 4149M-25 25 µg  
4149M-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-8.

**MOL. WEIGHT:** 8.4 kDa

**FORMULATION:** Sterile filtered and lyophilized from a solution (1 mg/ml) containing 20 mM PBS, pH 7.4, and 50 mM NaCl.

### RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. 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 human IL-8 is best-stored desiccated below 0 ° C. Reconstituted IL-8 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).

### DESCRIPTION:

Human IL-8 is a 8.4 kDa protein containing 72 amino acid residues (8-79). IL-8 promotes neutrophil chemotaxis and degranulation. The 72 amino acid IL-8 is the predominant form secreted by monocytes and lymphocytes.

### BIOLOGICAL ACTIVITY:

The ED<sub>50</sub> as determined by its chemotaxis of hCXCR2 transfected mouse BaF/3 cells is less than 0.5 ng/ml, corresponding to a specific activity of 2.0 x 10<sup>6</sup> units/mg.

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

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
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- Mammalian Cell Extraction Kit
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