

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 ED₅₀ 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 10⁶ units/mg.

NOTE: For Research Use Only! Not to be used in human subjects!

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