

## Recombinant Human Endothelial Interleukin-8

**CATALOG #:** 4149-25 25 µg  
4149-1000 1 mg

**LOT #:** \_\_\_\_\_

**SOURCE:** *E. coli*

**PURITY:** >98% by SDS-PAGE  
Endotoxin level is <0.1 ng per µg of IL-8.

**MOL. WEIGHT:** 8.9 kDa

**FORMULATION:** Sterile filtered and lyophilized with no additives

### RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1–1.0 mg/ml. 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 human IL-8 is best-stored desiccated below 0 °C. Reconstituted IL-8 should be stored at working aliquots at –20 °C.

### DESCRIPTION:

IL-8 is a proinflammatory CXC chemokine that can signal through the CXCR1 and CXCR2 receptors. It is secreted by monocytes and endothelial cells. IL-8 chemoattracts and activates neutrophils. Recombinant IL-8 (endothelial-derived) is a 8.9 kDa protein containing 77 amino acid residues.

### BIOLOGICAL ACTIVITY:

Determined by its ability to chemoattract human peripheral blood neutrophils using a concentration range of 25 to 150 ng/ml.

**FOR RESEARCH USE ONLY! Not to be used in humans**

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