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IL 8 Human (1-77), His

Catalog #:CHPS-352

For research use only.

Description: Interleukin-8 Human Recombinant produced in E.Coli is single, a non-glycosylated, Polypeptide chain containing 77 amino acids fragment (23-99) and having a total molecular mass of 15 kDa with an amino-terminal hexahistidine tag. The IL-8 His is purified by proprietary chromatographic techniques.

Synonyms:IL-8, CXCL8, Monocyte-derived neutrophil chemotactic factor, MDNCF, T-cell chemotactic factor, Neutrophil-activating protein 1, NAP-1, Protein 3-10C, Granulocyte chemotactic protein 1, GCP-1, Monocyte-derived neutrophil-activating peptide, MONAP, Emoctaki

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Purity: Greater than 95.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Formulation:

IL8 His is supplied in 1x PBS and 50% glycerol.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Interleukin-8 (IL-8) is a chemokine produced by macrophages and other cell types such as epithelial cells. It is also synthesized by endothelial cells, which store IL-8 in their storage vesicles, the Weibel-Palade bodies. When first encountering an antigen, the primary cells to encounter it are the macrophages who phagocytose the particle. Upon processing, they release chemokines to signal other immune cells to come in to the site of inflammation. IL-8 is one such chemokine. It serves as a chemical signal that attracts neutrophils at the site of inflammation, and therefore is also known as Neutrophil Chemotactic Factor.

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