
Product Data Sheet

Product Name: IL 8 Rabbit

Cat. No.: GP21132

Batch No.: 1

Product Data

Purity >98% Source Escherichia Coli.

Physical Appearance solid Shipping Condition Shipped with Ice Packs.

IL-8; CXCL8; Monocyte-derived neutrophil chemotactic factor; MDNCF; T-cell chemotactic factor; Neutrophil-activating protein 1; NAP-1; Protein 3-10C; Synonyms Granulocyte chemotactic protein 1; GCP-1; Monocyte-derived neutrophil-activating peptide; MONAP; Emoctakin; K60; NAF; LECT; LUCT; 3-10C; LYNAP; SCYB8; TSG-1; AMCF-I; b-ENAP.

Amino Acid Sequence AVLTRIGTELRCQCIKTHSTPFHPKFIKELRVIESGPHCANSEIIVKLVDGRELCLDPKEKWWQKVV
QIFLKRAEQQES.

Formulation The IL-8 solution (1mg/ml) contains 50mM Tris, 300mM NaCl, 10% Glycerol, pH 7.5.

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.

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. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

IL-8 Rabbit Recombinant is a full length secreted protein (79 amino acids - a.a. 23-101). The IL-8 is expressed in E.Coli. and fused to a N-terminal His tag, having a total MW of 12.24kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

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