

**DATASHEET**

Version 20181206

**IL-8/CXCL8 (8-79aa), Human(CHO-expressed)****Cat. No.:** Z03138-10**Size:** 10.0 ug

**Synonyms:** CXCL8, monocyte-derived neutrophil chemotactic factor (MDNCF), neutrophil activating factor (NAF), NAP-1

**Description:**

Interleukin-8 (IL-8), also known as CXCL8, GCP-1 and NAP-1, is a proinflammatory chemokine belonging to the intercrine alpha (chemokine CXC) family. It is secreted by monocytes, macrophages and endothelial cells. IL-8 signals through CXCR1 and CXCR2 to chemoattract neutrophils, basophils, and T cells. IL-8 is also a potent promoter of angiogenesis. Other functions of this protein, such as involvement in bronchiolitis pathogenesis, have also been reported.

**Amino Acid Sequence:**

00001 AVLPRSAKEL RCQCIKTYSK PFHPKFIKEL RVIESGPHCA  
00041 NTEIIVKLSG GRELCCLDPKE NWVQRVVEKF LKRAENS

**Source:** CHO**Species:** Human

**Biological Activity:** ED<sub>50</sub> < 6 ng/ml, measured in a calcium flux assay using CHO/Gα15 cells transiently expressing CXCR1.

**Molecular Weight:** 9 kDa, observed by reducing SDS-PAGE

**Formulation:** Lyophilized after extensive dialysis against PBS.

**Reconstitution:** Reconstituted in ddH<sub>2</sub>O or PBS at 100 µg/ml.

**Purity:** > 95% as analyzed by SDS-PAGE and HPLC.

**Endotoxin Level:** < 0.2 EU/µg, determined by LAL method.

**Storage:** Lyophilized recombinant Human Interleukin-8 remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Human Interleukin-8 should be stable up to 1 week at 4°C or up to 2 months at -20°C.