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Datasheet for ABIN2018158
IL-8 Protein (AA 23-99)

Overview

Quantity:	50 µg
Target:	IL-8 (IL8)
Protein Characteristics:	AA 23-99
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Characteristics:	ED50 < 6 ng/mL, measured in a calcium flux assay using CHO/G alpha 15 cells transiently expressing CXCR1.
Purity:	> 95 % as analyzed by SDS-PAGE and HPLC.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	IL-8 (IL8)
Alternative Name:	Interleukin-8 (IL-8) (IL8 Products)
Background:	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

Target Details

functions of this protein, such as involvement in bronchiolitis pathogenesis, have also been reported.

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

Molecular Weight: 38-40 kDa, observed by reducing SDS-PAGE.

UniProt: [P10145](#)

Pathways: [TLR Signaling](#), [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [ER-Nucleus Signaling](#), [Hepatitis C](#), [Autophagy](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstituted in ddH₂O or PBS at 100 µg/mL.

Buffer: Lyophilized after extensive dialysis against PBS.

Storage: -80 °C

Storage Comment: Lyophilized recombinant Human Interleukin-8 remains stable up to 6 months at -80 °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.

Expiry Date: 6 months