

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant IL-8/CXCL8 (8-79aa), Human(CHO-expressed)

Catalog Number: BK0258-10 μ g

Source: CHO

Quantity: 10 μ g

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.

Molecular Weight:

~9 kDa, observed by reducing SDS-PAGE

Purity:

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

Biological Activity:

ED50 < 6 ng/ml, measured in a calcium flux assay using CHO/G α 15 cells transiently expressing CXCR1.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized after extensive dialysis against PBS.

AA Sequence:

AVLPRSAKELRCQCIK-
TYSKPFHPKFIKELRVIESGPHCANTEIIVKLS-
D-GRELCLDPKENWVQRVVEKFLKRAENS

Endotoxin:

< 0.2 EU/ μ g, determined by LAL method.

Reconstitution:

Reconstituted in ddH₂O or PBS at 100 μ g/ml.

Storage:

Lyophilized recombinant Human Interleukin-8 remains stable up to 6 months at -80 $^{\circ}$ C from date of receipt. Upon reconstitution, Human Interleukin-8 should be stable up to 1 week at 4 $^{\circ}$ C or up to 2 months at -20 $^{\circ}$ C.

Usage:

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