

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant MIP-1 α /CCL3, Human(CHO-expressed)

Catalog Number: BK0270-10 μ g

Source: CHO

Quantity: 10 μ g

Description:

MIP-1 Alpha, also known as CCL3, G0S19-1 and SCYA3, is a small inducible monokine belonging to the intercrine beta (chemokine CC) family. It binds to CCR1, CCR4 and CCR5, and participates in the host response to invading pathogens by regulating the trafficking and activation of inflammatory cells, such as macrophages, lymphocytes, NK cells and dendritic cells. MIP-1 alpha polymorphisms are associated with HIV susceptibility or resistance. Recombinant MIP-1 alpha induces a dose-dependent inhibition of HIV and SIV infection.

Molecular Weight:

8-10 kDa, observed by reducing SDS-PAGE.

Purity:

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

Biological Activity:

ED50 < 100 ng/ml, measured in a calcium flux assay using CHO/Ga15 cells expressing CCR5.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) pow-

der.

Formulation:

Lyophilized after extensive dialysis against PBS.

AA Sequence:

ADTPTACCFSYTSRQIPQNFADYFETSSQCS-
KPGVIFLTKRSRQVCADPSEEWVQKYVSDLELSA

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 MIP-1 Alpha remains stable up to 6 months at -80 $^{\circ}$ C from date of receipt. Upon reconstitution, Human MIP-1 Alpha 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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