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CCL3 Protein (AA 24-92)





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Alternative Name:

Quantity:	100 μg
Target:	CCL3
Protein Characteristics:	AA 24-92
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Cell Migration Assay (CMA)
Product Details	
Sequence:	SLAADTPTAC CFSYTSRQIP QNFIADYFET SSQCSKPGVI FLTKRSRQVC ADPSEEWVQK
	YVSDLELSA
Characteristics:	Recombinant Human CCL3 (MIP-1alpha)
Purity:	> 97 % by SDS PAGE
Endotoxin Level:	<0.01 EU per 1µg of the protein by the LAL method
Biological Activity Comment:	EC50 = 0.2 nM determined by Migration Assay in cells expressing recombinant CCR5
Target Details	
Target:	CCL3

CCL3 (MIP-1alpha) (CCL3 Products)

Target Details

Background:	Macrophage inflammatory proteins 1-alpha (MIP1alpha)(CCL3) binds to cell surface receptors	
	CCR1 and CCR5. It is proinflammatory, leading to chemotaxis and activation of immune cells. It	
	also inhibits proliferation of hematopoietic stem cells. Moreover, by binding to one of the HIV	
	coreceptors, CCR5, it suppresses HIV infection.	
Molecular Weight:	7.716 kDa	
UniProt:	P10147	

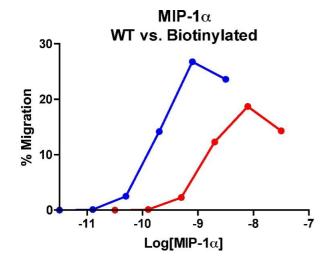
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Spin tube prior to resuspending. Recommended at 100 µg/mL in sterile water
Storage:	-20 °C,-80 °C
Storage Comment:	12 months from date of receipt, -20 to -70 °C as supplied. Suggest to use immediately after reconstitution 1 month at -20 to -70 °C under sterile conditions after reconstitution.
Expiry Date:	12 months

Images



Cellular Assay

Image 1. Cells expressing recombinant CCR5 were assayed for migration through a transwell filter at various concentrations of WT or Biotinylated MIP-1a. Responses are expressed as the % of total input cells (Blue: wild type; Red: biotinylated).