Datasheet for ABIN6952220

CXCL10 Protein (AA 22-98)

1 Image

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Overview

Quantity:	100 µg
Target:	CXCL10
Protein Characteristics:	AA 22-98
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Cell Migration Assay (CMA)

Product Details

Sequence:	VPLSRTVRCT CISISNQPVN PRSLEKLEII PASQFCPRVE IIATMKKKGE KRCLNPESKA IKNLLKAVSK ERSKRSP
Characteristics:	Recombinant Human CXCL10 (IP-10)
Endotoxin Level:	<0.01 EU per 1µg of the protein by the LAL method
Biological Activity Comment:	EC50 = 6.3 nM determined by Migration Assay in cells expressing recombinant CXCR3

Target Details

Target:	CXCL10
Alternative Name:	CXCL10 (IP-10) (CXCL10 Products)
Background:	CXCL10 (IP-10) was originally identified as an IFN-gamma-inducible gene in endothelial,

Target Details

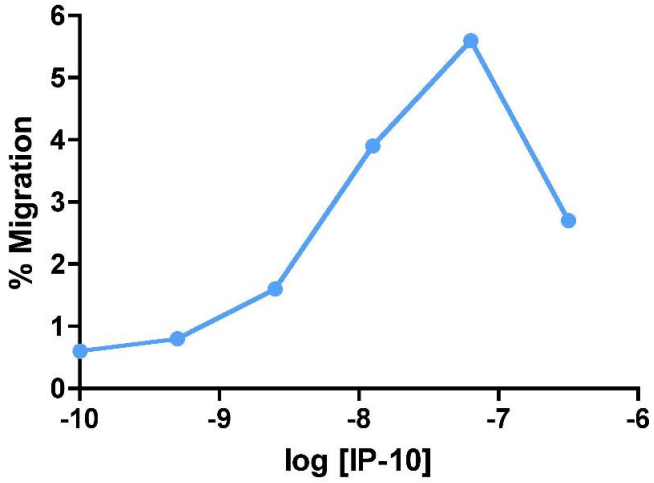
	fibroblasts and monocytes cells. IP-10 is considered a member of the CXC chemokine subfamily from its protein sequence which includes the four conserved cysteine residues present in CXC chemokines. IP-10 signals through the CXCR3 receptor to selectively attract Th1 lymphocytes and monocytes. It also has angiostatic and mitogenic properties on vascular smooth muscle cells. A diverse population of cell types rapidly increases transcription of mRNA encoding IP-10, which suggests that gamma-induced protein may be a key mediator of the IFNG/IFN-gamma response.
Molecular Weight:	8.646 kDa
UniProt:	P02778

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



Cellular Assay

Image 1. Cells expressing recombinant CXCR3 were assayed for migration through a transwell filter at various concentrations of WT IP-10. Responses are expressed as the % of total input cells.