

Datasheet for ABIN6952234
IL-8 Protein (AA 28-99)



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1 Image

Overview

Quantity:	100 µg
Target:	IL-8 (IL8)
Protein Characteristics:	AA 28-99
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Cell Migration Assay (CMA)

Product Details

Sequence:	SAKELRCQCI KTYSKPFHFK FIKELRVIES GPHCANTEII VKLSDGRELC LDPKENWVQR VVEKFLKRAE NS
Characteristics:	Recombinant Human CXCL8 (IL-8)
Endotoxin Level:	<0.01 EU per 1µg of the protein by the LAL method
Biological Activity Comment:	EC50 = 0.083 nM determined by Migration Assay in cells expressing recombinant CXCR1

Target Details

Target:	IL-8 (IL8)
Alternative Name:	CXCL8 (IL-8) (IL8 Products)
Background:	Interleukin 8 (IL-8 /CXCL8) is secreted primarily by macrophages and monocytes. It is one of

Target Details

the key mediators for inflammatory responses. IL-8 is a strong chemotractant for neutrophils and monocytes promoting activation of these cells by binding to two cell surface receptors, CXCR1 and CXCR2. It is also a strong angiogenic agent and is considered to play a role in the pathogenesis of bronchiolitis.

Molecular Weight: 8.386 kDa

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

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

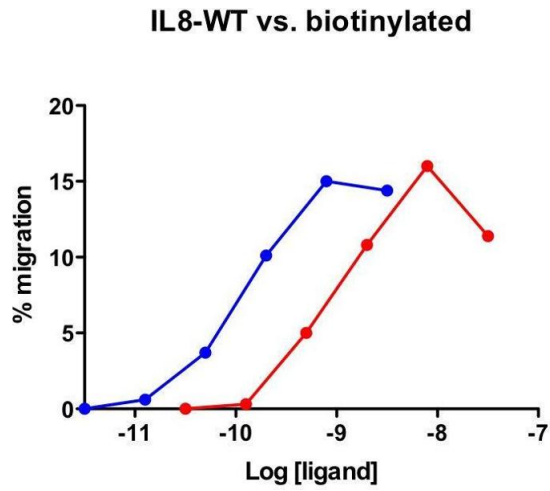
Format: Lyophilized

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 CXCR1 were assayed for migration through the transwell bare filter at various concentrations of IL-8. The response is expressed as the % of total input cells (Blue: wild type; Red: biotinylated).