

Datasheet for ABIN6952202

CCL5 Protein (AA 24-91) (Biotin)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CCL5
Protein Characteristics:	AA 24-91
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CCL5 protein is labelled with Biotin.
Application:	Cell Migration Assay (CMA)

Product Details

Sequence:	SPYSSDTTPC CFAYIARPLP RAHIKEYFYT SGKCSNPAVV FVTRKNRQVC ANPEKKWVRE YINSLEMS
Characteristics:	Biotinylated Recombinant Human CCL5 (Rantes)
Purity:	> 97 % by SDS PAGE
Endotoxin Level:	<0.01 EU per 1µg of the protein by the LAL method
Biological Activity Comment:	EC50 = 0.25-0.50 nM determined by Migration Assay of recombinant CCR5 containing cells

Target Details

Target:	CCL5
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Target Details

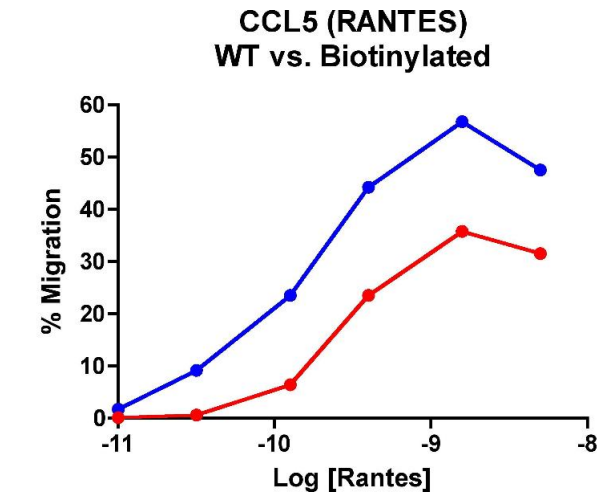
Alternative Name:	CCL5 (Rantes) (CCL5 Products)
Background:	Regulated on Activation, Normal T cell Expressed and Secreted (RANTES) (CCL5) is a proinflammatory chemokine that induces migration and activation of leukocytes, as well as implication in HIV infection. It binds to cell surface receptors CCR1, CCR3, CCR4, and CCR5. Its biological effects on leukocyte activation and HIV infection displays dependence on concentration and on the binding of cell surface glycosaminoglycans.
Molecular Weight:	10.270 kDa
UniProt:	P13501
Pathways:	Cellular Response to Molecule of Bacterial Origin , Regulation of G-Protein Coupled Receptor Protein Signaling , Smooth Muscle Cell Migration

Application Details

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

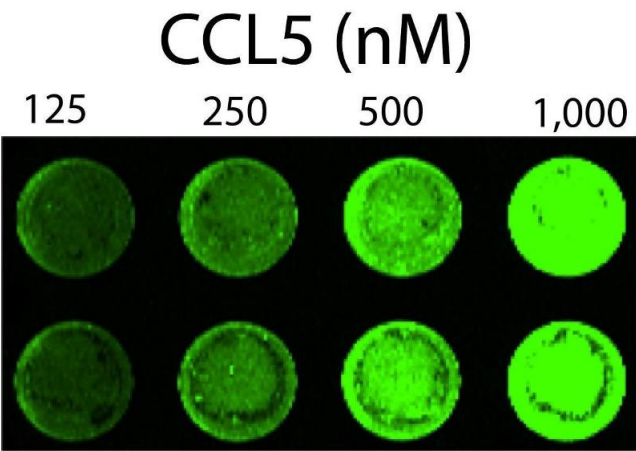
Handling

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



Biolmaging

Image 2. Detection of chemokine GAG binding on the cell surface using increasing amounts of biotinylated CCL5