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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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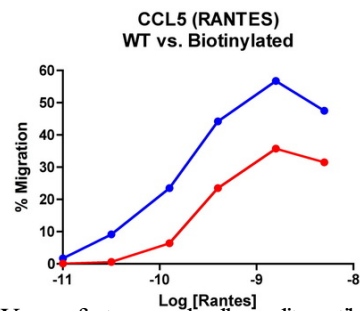
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Product Number	OPCB00016
Product Page	www.avivasysbio.com/biotinylated-ccl5-protein-opcb00016.html
Name	Biotinylated CCL5 Protein (OPCB00016)
Molecular Weight	10 kDa
Conjugation	Biotin
NCBI Gene Id	6352
Purity	> 97% as determined by SDS-PAGE
Source	E. coli
Gene Full Name	chemokine (C-C motif) ligand 5
Alias Symbols	SISd, eoCP, SCYA5, RANTES, TCP228, D17S136E, SIS-delta
Product Format	Lyophilized
Reference	1. "RANTES: a versatile and controversial chemokine" Appay V., Rowland-Jones S.L. Trends Immunol 22:83-87 (2001) 2. "Identification of RANTES, MIP-1, and MIP-1[1] as the major HIV-suppressive factors produced by CD8+T cells" Cocchi F., De Vico A.L., Garzino-Demo A., Arya S.K., Gallo R.C., Lusso P. Science 270:1811-1815 (1995) 3. A human T cell-specific molecule is a member of a new gene family Schall T.J., Jongstra J., Dyer B.J., Jorgensen J., Clayberger C., Davis M.M., Krensky A.M. J Immunol 141:1018-1025 (1988) 4. "Engineering the glycosaminoglycan-binding affinity, kinetics and oligomerization behavior of RANTES: a tool for generating chemokine-based glycosaminoglycan antagonists" Brandner B., Rek A., Diedrichs-Möhring M., Wildner G., Kungl A.J. Protein Eng Des Sel. 22:367-373 (2009)
Description of Target	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.
Reconstitution and Storage	Reconstitution: Spin tube prior to resuspending. Recommended at 100 ug/mL in sterile water. Use immediately after reconstitution. Store at -20°C to -70°C for at least 1 month under sterile conditions after reconstitution. Stable for 12 months from date of receipt, stored at -20°C to -70°C.
Datasheets/Manuals	Printable datasheet for Biotinylated CCL5 Protein (OPCB00016)
Additional Information	Endotoxin Level: <0.01 EU per 1ug of the protein by the LAL method Extinction Coefficient: 18,020 M⁻¹ cm⁻¹
Biological Activity	EC50 = 0.25-0.50nM determined by Migration Assay of recombinant CCR5 containing cells
Uniprot ID	P13501
Gene Symbol	CCL5
Application	CA

Image 1

Migration Assay



Migration Assay: 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).

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This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.

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