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Product Datasheet

Human CCL21 protein, His tag (active), Unconjugated GTX00072-PRO

Article Name	Human CCL21 protein, His tag (active), Unconjugated
Biozol Catalog Number	GTX00072-PRO
Supplier Catalog Number	GTX00072-pro
Alternative Catalog Number	GTX00072-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	6366
UniProt	Q6ICR7
Buffer	Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, ProClin 300.
Expression System	E. coli
Form	Lyophilized powder
Sequence	N-terminal His-Tag, Ser24~Pro134 (NP_002980.1)

Application Notes

Secondary Lymphoid-tissue Chemokine (SLC) is a recently identified CC chemokine that is constitutively expressed in various lymphoid tissues and is a potent and specific chemoattractant for lymphocytes. Thus, chemotaxis assay used 24-well microchemotaxis system was undertaken to detect the chemotactic effect of SLC on the human T-lymphocyte leukemia cell line Jurkat. Briefly, Jurkat cells were seeded into the upper chambers (100 μ l cell suspension, 1×10^6 cells/ml in RPMI-1640 with FBS free) and SLC (1 ng/ml, 15 ng/ml and 150 ng/ml diluted separately in serum free RPMI-1640) was added in lower chamber with a polycarbonate filter (8 μ m pore size) used to separate the two compartments. After incubation at 37C with 5% CO₂ for 1h, the filter was removed, then cells in low chamber were observed by inverted microscope at low magnification (*100) and the number of migrated cells were counted at high magnification (*400) randomly (five fields for each filter). The migrated Jurkat cells in low chamber at low magnification (*100) randomly, and the migrated cells were counted at high magnification (*400). SLC is able to induce migration of Jurkat cells, and the optimum chemotaxis of SLC occurs at 15-150 ng/ml.