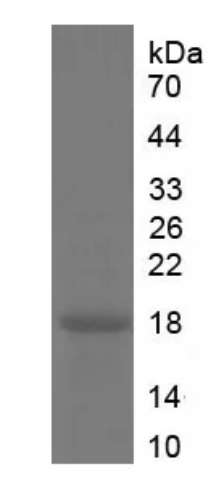
Active Secondary Lymphoid Tissue Chemokine (SLC)

Catalog#:PXH12701

概述（Summary）

别称（Alternative Names）	CCL21; 6Ckine; CKb9; ECL; SCYA21; TCA4; ECL; Chemokine(C-C-Motif)Ligand 21; Beta Chemokine Exodus-2; Efficient Chemoattractant For Lymphocytes
纯度（Purity）	Greater than 97% as determined by reducing SDS-PAGE.
内毒素（Endotoxin level）	Please contact with the lab for this information
蛋白构建（Construction）	【Ser24-Pro134】
Accession #	Q6ICR7
表达宿主（Host）	-
种属（Species）	Homo sapiens (Human)
预测分子量（Predicted MW）	13.5 kDa
制剂（Form）	Lyophilized from a 0.2 μm filtered solution of 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
运输方式（Shipping）	The product is shipped with ice bag. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存（Stability &Storage）	12 months at -20°C to -80°C in lyophilized state.6 months at -20°C to -80°C under sterile conditions after reconstitution.7-10 days at 2°C to 8°C under sterile conditions after reconstitution.Please minimize freeze-thaw cycles.
复溶（Reconstitution）	Reconstitute in 20mM Tris, 150mM NaCl (PH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

电泳图（SDS-PAGE image）



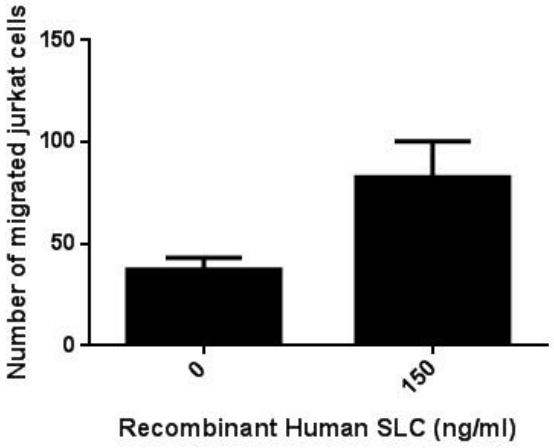
Greater than 97% as determined by reducing SDS-PAGE.

活性图（Bioactivity image）



A B

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 (100uL cell suspension,106 cells/mL in RPMI 1640 with FBS free) and SLC (1ng/mL, 15ng/mL and 150ng/mL diluted separately in serum free RPMI 1640) was added in lower chamber with a polycarbonate filter (8um pore size) used to separate the two compartments. After incubation at 37℃ 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). Result shows SLC is able to induce migration of Jurkat cells. The migrated Jurkat cells in low chamber at low magnification (×100) were shown in Figure 1. Five fields of each chamber were randomly chosen, and the migrated cells were counted at high magnification (×400). Statistical results were shown in Figure 2. The optimum chemotaxis of SLC occurs at 15-150ng/mL.(A)Jurkat cells were seeded into the upper chambers and serum free RPMI 1640 with 150ng/mL SLC was added in lower chamber, then cells in lower chamber were observed at low magnification (×100) after incubation for 1h; (B)Jurkat cells were seeded into the upper chambers and serum free RPMI 1640 without SLC was added in lower chamber, then cells in lower chamber were observed at low magnification (×100) after incubation for 1h. Figure. The chemotactic effect of SLC on Jurkat cells Figure .The chemotactic effect of SLC on Jurkat cells.



注意事项（Note）

For Research Use Only , Not for Diagnostic Use.