

Active Recombinant Rabbit CXCL8 protein, His-tagged

Cat. No. CXCL8-887R Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Rabbit CXCL8 protein(P19874)(23~101 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Rabbit
Source	E.coli
ProteinLength	23-101 aa
Form	Lyophilized from sterile 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Bio-activity	Interleukin 8 (IL8 or chemokine (C-X-C motif) ligand 8, CXCL8) is a chemokine produced by macrophages and other cell types such as epithelial cells, airway smooth muscle cells and endothelial cells. Thus, chemotaxis assay used 24-well microchemotaxis system was undertaken to detect the chemotactic effect of IL8 on the human T-lymphocyte leukemia cell line Jurkat. Briefly, Jurkat cells were seeded into the upper chambers (100uL cell suspension, 10 ⁶ cells/ml in RPMI 1640 with FBS free) and IL8 (0.1ng/mL, 1ng/mL and 10ng/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°C with 5% CO ₂ for 1h, the filter was removed, then cells in lower chamber were observed by inverted microscope at low magnification (×100) and the number of migrated cells were counted at high magnification (×400) randomly.

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(five fields for each filter). Result shows IL8 is able to induce migration of Jurkat cells. Themigrated Jurkat cells in low chamber at low magnification (×100) were shown. Five fields of each chamber were randomly chosen, and the migratedcells were counted at high magnification (×400). The optimum chemotax is of IL8 occurs at 1~10ng/mL.

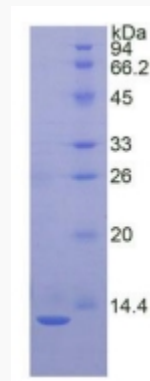
Molecular Mass 12.5kDa

Purity > 95% as determined by SDS-PAGE.

Storage Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.

Reconstitution Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

SDS-PAGE

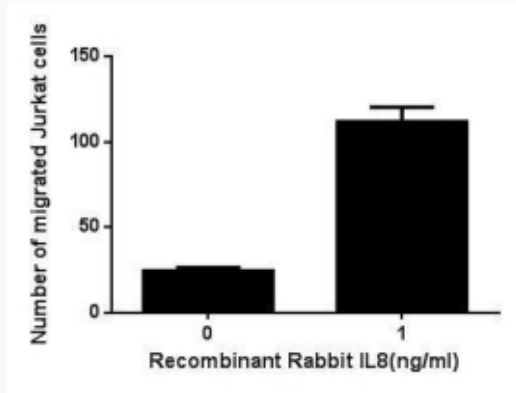


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