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## Product Datasheet

### Rabbit CXCL8 / IL8 protein, His tag (active), Unconjugated GTX00339-PRO

Article Name	Rabbit CXCL8 / IL8 protein, His tag (active), Unconjugated
Biozol Catalog Number	GTX00339-PRO
Supplier Catalog Number	GTX00339-pro
Alternative Catalog Number	GTX00339-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Rabbit
Conjugation	Unconjugated
NCBI	<a href="#">100009129</a>
UniProt	<a href="#">P19874</a>
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, Ala23~Ser101 (NP_001075762.1)

Application Notes

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 (100  $\mu$ l cell suspension,  $10^6$  cells/ml in RPMI-1640 with FBS free) and IL8 (0.1 ng/ml, 1 ng/ml and 10 ng/ml diluted separately in serum free RPMI-1640 ) was added in lower chamber with a polycarbonate filter (8 $\mu$ m pore size) used to separate the two compartments. After incubation at 37C with 5% CO<sub>2</sub> 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). IL8 is able to induce migration of Jurkat cells, and the optimum chemotaxis of IL8 occurs at 1~10 ng/ml.