

Human CCR8 Protein

Cat. No. CCR-HM208

Description

Source	Recombinant Human CCR8 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Met1-Lys35.
Accession	P51685-1
Molecular Weight	The protein has a predicted MW of 30.62 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

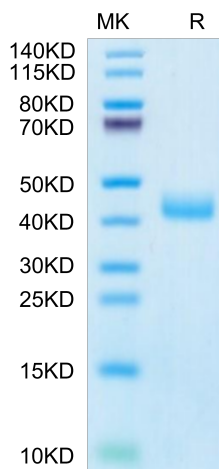
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

CC chemokine receptor (CCR) 8 (previously called CKR-L1 or TER1 and designated CD198), which is expressed on Th2 cells and eosinophils, has been implicated in allergic diseases. CCR8 may regulate monocyte chemotaxis and thymic cell line apoptosis and is alternative coreceptor with CD4 for HIV-1 infection.

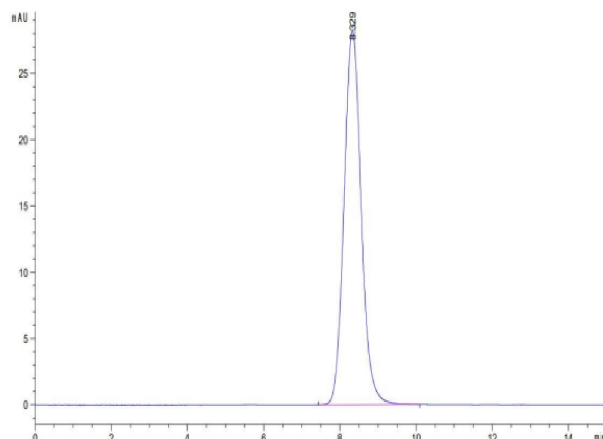
Assay Data

Bis-Tris PAGE



Human CCR8 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

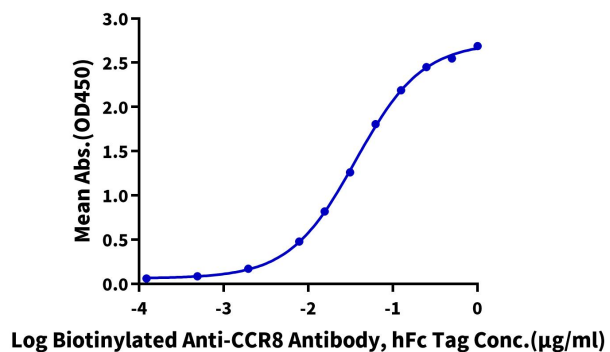


The purity of Human CCR8 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human CCR8, hFc Tag ELISA
0.2µg Human CCR8, hFc Tag Per Well



Immobilized Human CCR8, hFc Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-CCR8 Antibody, hFc Tag with the EC50 of 36.4ng/ml determined by ELISA (QC Test).