

# Human CCR8 Protein

Cat. No. CCR-HM308

## Description

<b>Source</b>	Recombinant Human CCR8 Protein is expressed from HEK293 with mFc (IgG1) tag at the C-Terminus. It contains Met1-Lys35.
<b>Accession</b>	P51685-1
<b>Molecular Weight</b>	The protein has a predicted MW of 30.25 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

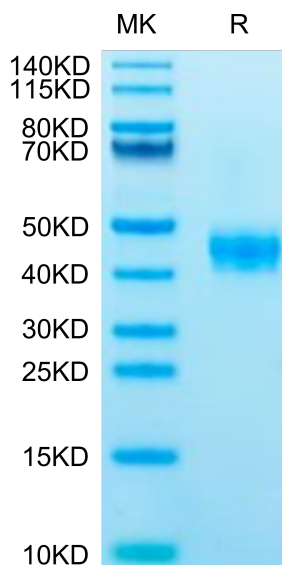
<b>Formulation</b>	Lyophilized from 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-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

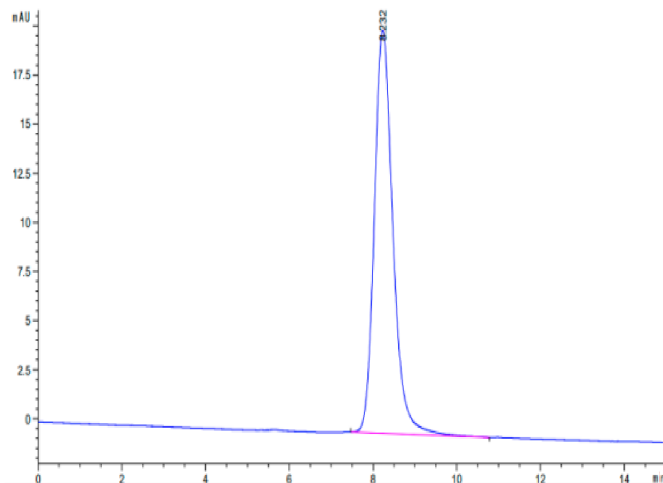
### Bis-Tris PAGE



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

### SEC-HPLC

Assay Data

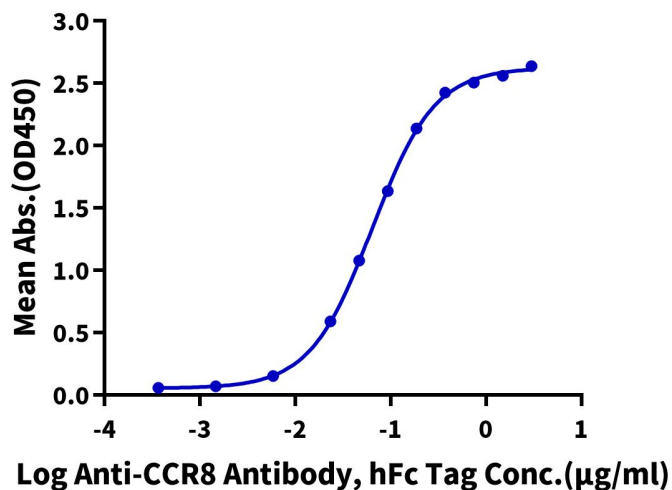


The purity of Human CCR8 is greater than 95% as determined by SEC-HPLC.

ELISA Data

**Human CCR8, mFc Tag ELISA**

0.1µg Human CCR8, mFc Tag Per Well



Immobilized Human CCR8, mFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-CCR8 Antibody, hFc Tag with the EC50 of 64.3ng/ml determined by ELISA (QC Test).