

# Cynomolgus CCR8 Protein

Cat. No. CCR-CM308



## Description

<b>Source</b>	Recombinant Cynomolgus CCR8 Protein is expressed from HEK293 with mFc (IgG1) tag at the C-Terminus. It contains Met1-Lys35.
<b>Accession</b>	XP_015300839.1
<b>Molecular Weight</b>	The protein has a predicted MW of 29.73 kDa. Due to glycosylation, the protein migrates to 35-45 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg 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 0.22µm 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 µg/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.

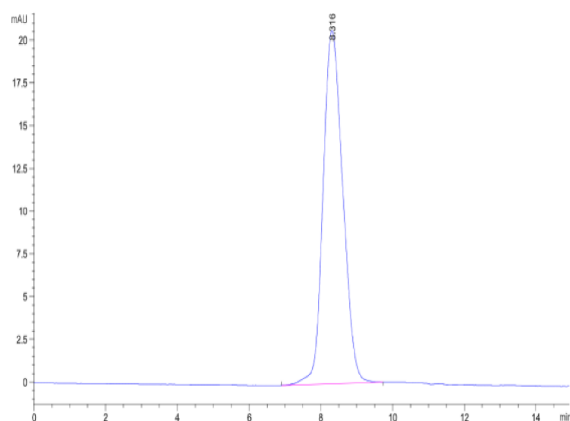
## Assay Data

### Bis-Tris PAGE



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

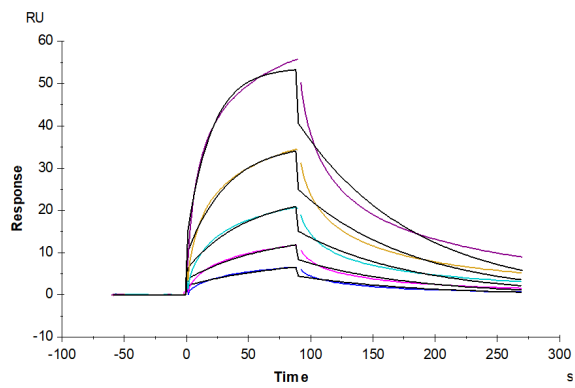
### SEC-HPLC



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

Assay Data

SPR Data



Anti-CCR8 Antibody, hFc Tag captured on CM5 Chip via Anti-Human Fc IgG Antibody can bind Cynomolgus CCR8, mFc Tag with an affinity constant of 0.27  $\mu$ M as determined in SPR assay (Biacore T200).