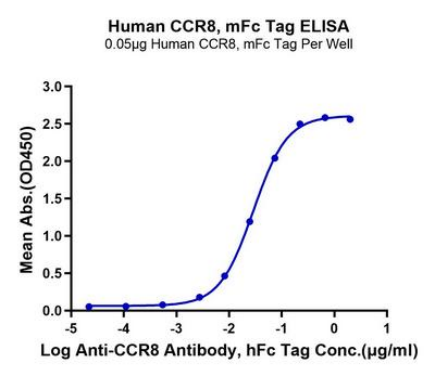
Bioactive HuPro®

CCR8 (Human) Recombinant Protein

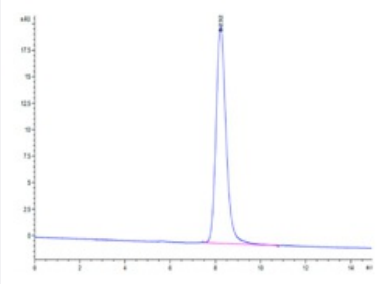
Catalog # P9718 Size 100 ug

Applications



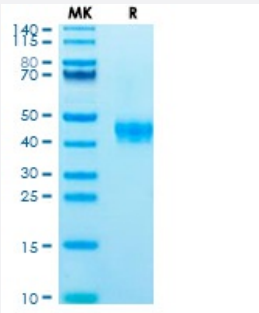
Enzyme-linked Immunoabsorbent Assay

Immobilized Human CCR8, mFc Tag at 0.5 ug/mL (100 uL/well) on the plate. Dose response curve for Anti-CCR8 Antibody, hFc Tag with the EC50 of 28.9 ng/mL determined by ELISA.



SEC-HPLC

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



Tris-Bis PAGE

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

Specification

Product Description	Human CCR8 (P51685-1, 1 a.a. - 35 a.a.) partial recombinant protein with mFc tag at C-terminus ex pressed in HEK293 cells.
Sequence	MDYTLDLSVTTVTDYYYPDIFSSPCDAELIQTNGK
Host	Human
Theoretical MW (kDa)	30.25
Form	Lyophilized
Preparation Method	Mammalian cell (Expi293, high-yield transient HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC_{50} was 28.9 ng/mL, messured by ELISA at 0.5 ug/mL.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human CCR8 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human CCR8 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Enzyme-linked Immunoabsorbent Assay

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- Functional Study

- SDS-PAGE

Gene Info — CCR8

Entrez GeneID	1237
Protein Accession#	P51685-1
Gene Name	CCR8
Gene Alias	CDw198, CKR-L1, CKRL1, CMKBR8, CMKBRL2, CY6, GPR-CY6, MGC129966, MGC129973, TER1
Gene Description	chemokine (C-C motif) receptor 8
Omim ID	601834
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the beta chemokine receptor family, which is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. Chemokines and their receptors are important for the migration of various cell types into the inflammatory sites. This receptor protein preferentially expresses in the thymus. I-309, thymus activation-regulated cytokine (TARC) and macrophage inflammatory protein-1 beta (MIP-1 beta) have been identified as ligands of this receptor. Studies of this receptor and its ligands suggested its role in regulation of monocyte chemotaxis and thymic cell apoptosis. More specifically, this receptor may contribute to the proper positioning of activated T cells within the antigenic challenge sites and specialized areas of lymphoid tissues. This gene is located at the chemokine receptor gene cluster region. [provided by RefSeq
Other Designations	CC chemokine receptor 8|CC-chemokine receptor chemr1|chemokine (C-C) receptor 8|chemokine (C-C) receptor-like 2

Pathway

- Chemokine signaling pathway
- Cytokine-cytokine receptor interaction

Disease

- Birth Weight
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma

- Leukemia
- Meningeal Neoplasms
- Meningioma