

Bioactive

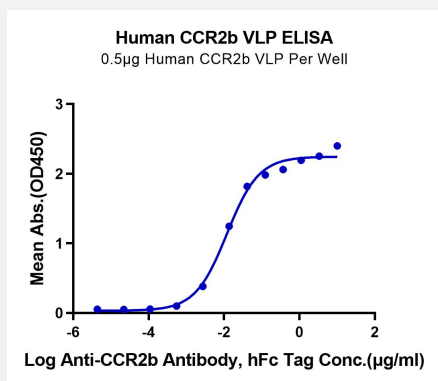
HuPro®

CCR2 (Human) Recombinant Protein

Catalog # P9868

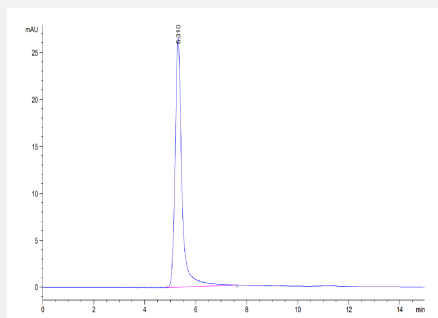
Size 100 ug

Applications



Enzyme-linked Immunoabsorbent Assay

Immobilized Human CCR2b VLP at 5 ug/mL (100 uL/Well) on the plate. Dose response curve for Anti-CCR2b Antibody, hFc Tag with the EC50 of 12.0 ng/mL determined by ELISA.



SEC-HPLC

The purity of Human CCR2b VLP is greater than 95% as determined by SEC-HPLC.

Specification

Product Description	Human CCR2 (P41597-2, Met1-Leu360) partial recombinant protein expressed in HEK293 cells.
Sequence	Met1-Ala374
Host	Human
Theoretical MW (kDa)	42.9
Form	Lyophilized

Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC ₅₀ was 12.0 ng/mL, measured by ELISA at 5 ug/mL.
Isotype	CCR2 (Human) Recombinant Protein
Quality Control Testing	SEC-HPLC SEC-HPLC The purity of Human CCR2b VLP is greater than 95% as determined by SEC-HPLC.
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

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- Functional Study

- SDS-PAGE

Gene Info — CCR2

Entrez GeneID	729230
Protein Accession#	P41597-2
Gene Name	CCR2
Gene Alias	MGC168006

Gene Description	chemokine (C-C motif) receptor 2-like
Gene Ontology	Hyperlink
Gene Summary	This gene encodes two isoforms of a receptor for monocyte chemoattractant protein-1, a chemokine which specifically mediates monocyte chemotaxis. Monocyte chemoattractant protein-1 is involved in monocyte infiltration in inflammatory diseases such as rheumatoid arthritis as well as in the inflammatory response against tumors. The receptors encoded by this gene mediate agonist-dependent calcium mobilization and inhibition of adenylyl cyclase. This gene is located in the chemokine receptor gene cluster region. Two alternatively spliced transcript variants are expressed by the gene. [provided by RefSeq]
Other Designations	-

Pathway

- [Chemokine signaling pathway](#)
- [Cytokine-cytokine receptor interaction](#)

Disease

- [Acquired Immunodeficiency Syndrome](#)
- [Acute Disease](#)
- [Albuminuria](#)
- [Arthritis](#)
- [Asthma](#)
- [Carcinoma](#)
- [Celiac Disease](#)
- [Cervical Intraepithelial Neoplasia](#)
- [Chorioamnionitis](#)
- [Cognition Disorders](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Cumulative Trauma Disorders](#)

- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Endometrial Neoplasms](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Hypersensitivity](#)
- [Inflammation](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lupus Nephritis](#)
- [Lymphoma](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Multiple Sclerosis](#)
- [Myocardial Infarction](#)
- [Neoplasm Invasiveness](#)
- [Neuropsychological Tests](#)
- [Obstetric Labor](#)
- [Papillomavirus Infections](#)
- [Precancerous Conditions](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Retinal Diseases](#)
- [Rhabdomyolysis](#)

- [Substance Abuse](#)
- [Tuberculosis](#)
- [Tumor Virus Infections](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)