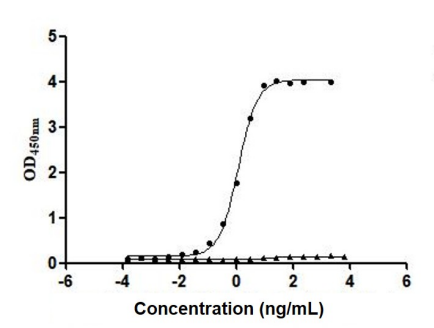
Bioactive | HuPro® | Full-Length

CCR5 (Human) Recombinant Protein

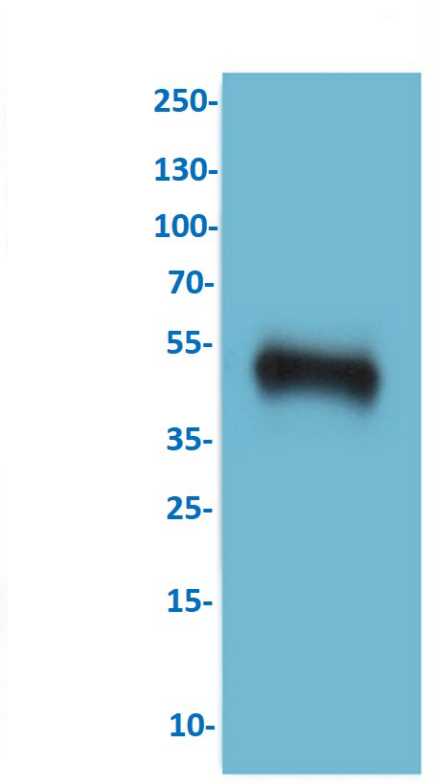
Catalog # P10962 Size 100 ug

Applications



Enzyme-linked Immunoabsorbent Assay

Measured by its binding ability in a functional ELISA. Immobilized Human CCR5 at 10 ug/mL can bind Anti-CCR5 recombinant antibody. The EC_{50} is 1.099-1.287 ng/mL.The VLPs is negative control.



Western Blot

CCR5 (Human) Recombinant Protein is detected by Mouse anti-6*His monoclonal antibody.(This tag can be tested only under denaturing conditions.)

Specification

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Product Description	Human CCR5 (P51681, Met1-Leu352) full-length recombinant protein expressed in Mammalian cells .
Transfected Cell Line	HEK293
Sequence	MDYQVSSPIYDINYYTSEPCQKINVKQIAARLLPPLYSLVFIFGFVGNMLVILILINCKRLKSMTDIYLLN LAISDLFFLLTVPFWAHYAAAQWDFGNTMCQLLTGLYFIGFFSGIFFIILLTIDRYLAVVHAVFALKAR TVTFGVVTSVITWVVAVFASLPGIIFTRSQKEGLHYTCSSHFPYSQYQFWKNFQTLKIVILGLVLPLL VMVICYSGILKTLLRCRNEKKRHRAVRLIFTIMIVYFLFWAPYNIVLLLNTFQEFFGLNNCSSSNRLDQ AMQVTETLGMTHCCINPIIYAFVGEKFRNYLLVFFQKHIAKRFCKCCSIFQQEAPERASSVYTRSTG EQEISVGL
Host	Human
Theoretical MW (kDa)	42.3
Form	Lyophilized
Preparation Method	Mammalian cell expression system
Endotoxin Level	< 1 EU per 1 ug by the LAL method.
Activity	The EC_{50} was 1.099-1.287 ng/mL determined by ELISA.
Recommend Usage	ELISA WB
Storage Buffer	Lyophilized from PBS, 6% Trehalose, pH 7.4.
Storage Instruction	Store at -80°C for 12 months. Store working aliquots at 4°C for one week. Aliquot to avoid repeated freezing and thawing.

Applications

- Enzyme-linked Immunoabsorbent Assay

  Measured by its binding ability in a functional ELISA. Immobilized Human CCR5 at 10 ug/mL can bind Anti-CCR5 recombinant antibody. The EC_{50} is 1.099-1.287 ng/mL.The VLPs is negative control.

- Western Blot

  CCR5 (Human) Recombinant Protein is detected by Mouse anti-6*His monoclonal antibody.(This tag can be tested only under denaturing conditions.)

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Gene Info — CCR5

Entrez GeneID	1234
Protein Accession#	P51681
Gene Name	CCR5
Gene Alias	CC-CKR-5, CCCKR5, CD195, CKR-5, CKR5, CMKBR5, IDDM22
Gene Description	chemokine (C-C motif) receptor 5
Omim ID	601373 610379
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the beta chemokine receptor family, which is predicted to be a s even transmembrane protein similar to G protein-coupled receptors. This protein is expressed by T cells and macrophages, and is known to be an important co-receptor for macrophage-tropic vir us, including HIV, to enter host cells. Defective alleles of this gene have been associated with the HIV infection resistance. The ligands of this receptor include monocyte chemoattractant protein 2 (MCP-2), macrophage inflammatory protein 1 alpha (MIP-1 alpha), macrophage inflammatory pro tein 1 beta (MIP-1 beta) and regulated on activation normal T expressed and secreted protein (R ANTES). Expression of this gene was also detected in a promyeloblastic cell line, suggesting that this protein may play a role in granulocyte lineage proliferation and differentiation. This gene is loc ated at the chemokine receptor gene cluster region. Two transcript variants encoding the same pr otein have been found for this gene. [provided by RefSeq
Other Designations	C-C chemokine receptor 5|C-C chemokine receptor type 5|CCR5 chemokine receptor|chemokin e (C-C) receptor 5|chemokine receptor CCR5|chemr13

Pathway

- Chemokine signaling pathway
- Cytokine-cytokine receptor interaction
- Endocytosis

Disease

- Abnormalities
- Abortion

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Acquired Immunodeficiency Syndrome
- Acute Disease
- Addison Disease
- Adenocarcinoma
- AIDS Dementia Complex
- AIDS-Related Opportunistic Infections
- Albuminuria
- Alzheimer disease
- Anemia
- Aneurysm
- Aortic Aneurysm
- Aortic Valve Stenosis
- Arterial Occlusive Diseases
- Arthritis
- Asthma
- Atherosclerosis
- Behcet Syndrome
- Berylliosis
- Biliary Atresia
- Biliary Tract Diseases
- Brain Ischemia
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Bronchial Hyperreactivity
- Bronchiolitis

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Brucellosis
- Calcinosis
- Carcinoma
- Cardiovascular Diseases
- Carotid Artery Diseases
- Carotid Stenosis
- Celiac Disease
- Central Nervous System Diseases
- Chagas Cardiomyopathy
- Chagas Disease
- Chlamydia Infections
- Cholangitis
- Chromosome Deletion
- Chronic Disease
- Cognition Disorders
- Colitis
- Condylomata Acuminata
- Constriction
- Corneal Diseases
- Coronary Aneurysm
- Coronary Artery Disease
- Coronary Disease
- Coronary Restenosis
- Crohn Disease
- Cross Infection
- Cystic fibrosis

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Cytomegalovirus Infections
- Developmental Disabilities
- Diabetes Mellitus
- Diabetic Angiopathies
- Diabetic Nephropathies
- Disease Progression
- Disease Susceptibility
- Edema
- Embolism
- Endometriosis
- Epstein-Barr Virus Infections
- Erythema Nodosum
- Fibrosis
- Flaviviridae Infections
- Gallbladder Neoplasms
- Gallstones
- Genetic Predisposition to Disease
- Genital Diseases
- Glomerulonephritis
- Graft vs Host Disease
- Head and Neck Neoplasms
- Hematologic Neoplasms
- Hemophilia A
- Hepatitis
- Hepatitis B
- Hepatitis C

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Herpes Zoster
- HIV Infections
- HIV Seropositivity
- HTLV-I Infections
- Hypersensitivity
- Hypertension
- Hypertrophy
- Immune System Diseases
- Infant
- Infertility
- Inflammation
- Inflammatory Bowel Diseases
- Insulin Resistance
- Ischemia
- Ischemic Attack
- Kidney Diseases
- Kidney Failure
- Laryngeal Neoplasms
- Leishmaniasis
- Liver Cirrhosis
- Liver Diseases
- Liver Neoplasms
- Lung Neoplasms
- Lupus Erythematosus
- Lupus Nephritis
- Lymphoma

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Malignant melanoma
- Melanoma
- Migraine Disorders
- Mucocutaneous Lymph Node Syndrome
- Multiple Sclerosis
- Myasthenia Gravis
- Myocardial Infarction
- Neoplasm
- Neoplasms
- Neuropsychological Tests
- Obesity
- Occupational Diseases
- Ocular Hypertension
- Osteoporosis
- Pancreatic cancer
- Pancreatic Neoplasms
- Parkinson disease
- Periodontitis
- Plague
- Pneumoconiosis
- Polymyalgia Rheumatica
- Postoperative Complications
- Precursor B-Cell Lymphoblastic Leukemia-Lymphoma
- Pregnancy Complications
- Primary Graft Dysfunction

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Prostate cancer
- Prostatic Neoplasms
- Pulmonary Disease
- Recurrence
- Renal Insufficiency
- Respiratory Sounds
- Respiratory Syncytial Virus Infections
- Respiratory Tract Infections
- Retinal Diseases
- Rheumatic Diseases
- Rhinitis
- Salivary Gland Neoplasms
- Sarcoidosis
- Schizophrenia
- Skin Neoplasms
- Stroke
- Substance Abuse
- Substance-Related Disorders
- Syndrome
- Systemic Inflammatory Response Syndrome
- Thrombosis
- Thyroid Neoplasms
- Trachoma
- Tumor Virus Infections
- Urinary Bladder Neoplasms
- Uterine Cervical Neoplasms

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Uveitis
- Viremia
- Vision
- Vitiligo
- Wegener Granulomatosis
- Werner syndrome
- West Nile Fever

Copyright © 2023 Abnova Corporation. All Rights Reserved.