

Anti-CCR1 / CD191 Reference Antibody (KHK patent anti-CCR1)

Catalog # APR11440

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P32246
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG4PE
Calculated MW	41173

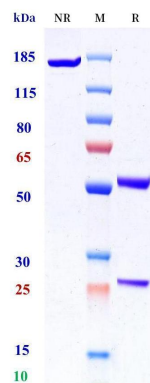
Additional Information

Target/Specificity	CCR1 / CD191
Expression system	CHO

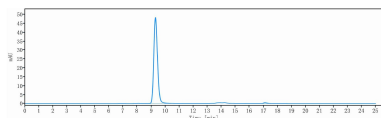
Protein Information

Name	CCR1
Synonyms	CMKBR1, CMKR1, SCYAR1
Function	Chemokine receptor that plays a crucial role in regulating immune cell migration, inflammation, and immune responses (PubMed:14991608). Contributes to the inflammatory response by recruiting immune cells, such as monocytes, macrophages, T-cells, and dendritic cells, to sites of inflammation for the clearance of pathogens and the resolution of tissue damage. When activated by its ligands including CCL3, CCL5-9, CCL13-16 and CCL23, triggers a signaling cascade within immune cells, leading to their migration towards the source of the chemokine (PubMed:15905581, PubMed:38417634). For example, mediates neutrophil migration after activation by CCL3 leading to the sequential release of TNF and leukotriene B4 (By similarity). Also mediates monocyte migration upon CXCL4 binding (PubMed:29930254). Activation by CCL5 results in neuroinflammation through the ERK1/2 signaling pathway (By similarity).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Widely expressed in different hematopoietic cells.

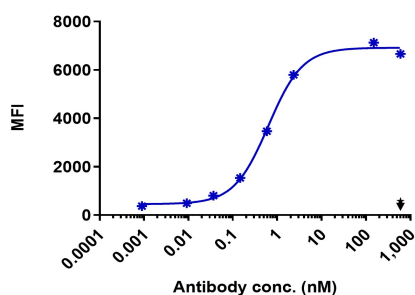
Images



Anti-CCR1 / CD191 Reference Antibody (KHK patent anti-CCR1) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-CCR1 / CD191 Reference Antibody (KHK patent anti-CCR1) is 99.27%, determined by SEC-HPLC.



PLVX-puro-hu CCR1-E-coil cell line were stained with KHK patent anti-CCR1 and negative control protein respectively, washed and then followed by PE and analyzed with FACS, with the EC50 is 0.539 nM.

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