

ARG42683 anti-CD191 / CCR1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD191 / CCR1
Tested Reactivity	Rat
Predict Reactivity	Ms
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD191 / CCR1
Species	Mouse
Immunogen	Recombinant protein corresponding to A168-T339 of Mouse CD191 / CCR1.
Conjugation	Un-conjugated
Alternate Names	MIP1aR; CD191; C-C chemokine receptor type 1; CKR-1; CKR1; HM145; CD antigen CD191; SCYAR1; CCR-1; C-C CKR-1; CCR1; CMKBR1; RANTES-R; Macrophage inflammatory protein 1-alpha receptor; CC-CKR-1; LD78 receptor; MIP-1alpha-R

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	PC-12	
Observed Size	~ 48 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na2HPO4, 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

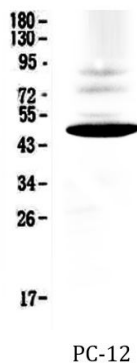
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CCR1
Gene Full Name	chemokine (C-C motif) receptor 1
Background	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. The ligands of this receptor include macrophage inflammatory protein 1 alpha (MIP-1 alpha), regulated on activation normal T expressed and secreted protein (RANTES), monocyte chemoattractant protein 3 (MCP-3), and myeloid progenitor inhibitory factor-1 (MPIF-1). Chemokines and their receptors mediated signal transduction are critical for the recruitment of effector immune cells to the site of inflammation. Knockout studies of the mouse homolog suggested the roles of this gene in host protection from inflammatory response, and susceptibility to virus and parasite. This gene and other chemokine receptor genes, including CCR2, CCRL2, CCR3, CCR5 and CXCR1, are found to form a gene cluster on chromosome 3p. [provided by RefSeq, Jul 2008]
Function	Receptor for a C-C type chemokine. Binds to MIP-1-alpha, MIP-1-delta, RANTES, and MCP-3 and, less efficiently, to MIP-1-beta or MCP-1 and subsequently transduces a signal by increasing the intracellular calcium ions level. Responsible for affecting stem cell proliferation. [UniProt]
Calculated Mw	41 kDa
Cellular Localization	Cell membrane; Multi-pass membrane protein. [UniProt]

Images



ARG42683 anti-CD191 / CCR1 antibody WB image

Western blot: 50 µg of sample under reducing condition. PC-12 whole cell lysate stained with ARG42683 anti-CD191 / CCR1 antibody at 0.5 µg/ml dilution, overnight at 4°C.