

ARG42677
anti-CD191 / CCR1 antibodyPackage: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD191 / CCR1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD191 / CCR1
Species	Human
Immunogen	Synthetic peptide of Human 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
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	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.

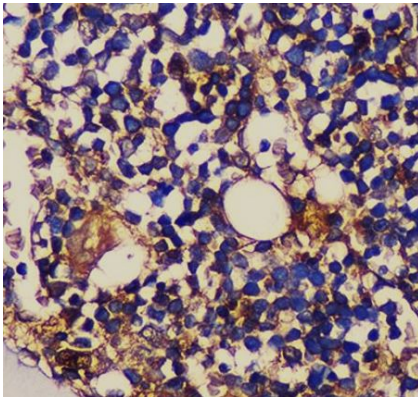
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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. 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

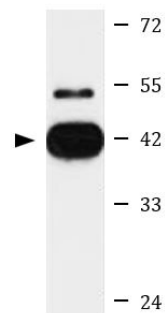
Gene Symbol	CCR1
Gene Full Name	chemokine (C-C motif) receptor 1
Background	This gene encodes a member of the beta chemokine receptor family, which is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. The ligands of this receptor include macrophage inflammatory protein 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 CCXCR1, 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



ARG42677 anti-CD191 / CCR1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat leg bone tissue stained with ARG42677 anti-CD191 / CCR1 antibody at 1:100 dilution.



Mouse lung

ARG42677 anti-CD191 / CCR1 antibody WB image

Western blot: 25 µg of Mouse lung lysate stained with ARG42677 anti-CD191 / CCR1 antibody at 1:1000 dilution.