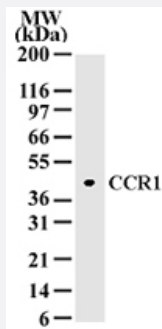


CCR1 polyclonal antibody

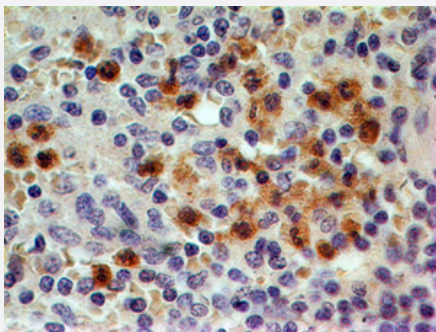
Catalog # PAB0176 Size 100 ug

Applications



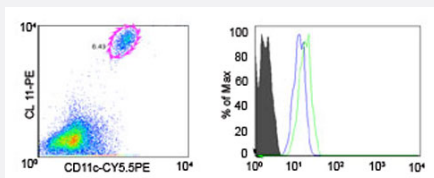
Western Blot (Cell lysate)

Western blot analysis of 10 ug of total cell lysate from A-375 cells with CCR1 polyclonal antibody (Cat # PAB0176) at 2 ug/mL dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin/PFA-Fixed Paraffin-Embedded Sections) staining of human spleen with CCR1 polyclonal antibody (Cat # PAB0176).



Flow Cytometry

Left image : Surface staining of mouse primary epidermal cells (B-6 mice, 30 wks) with CL 11-PE, CD11c PE-Cy5, and CCR1 polyclonal antibody (Cat # PAB0176) with CY5 goat anti rabbit secondary. Right image : CD11c+ CL II+ cells (Langerans), stained with rabbit isotype control (shaded histogram) were analyzed for CCR1 at 5 uL (blue histogram) and 10 uL (Green histogram). Data kindly provided by Corey Parlet, University of Iowa.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of CCR1.

Immunogen

A synthetic peptide corresponding to amino acids 339-350 of human CCR1.

Sequence	VSSTSPSTGEHE
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Recommend Usage	Flow Cytometry (5-10 ul) Western Blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.2% gelatin, 0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of 10 ug of total cell lysate from A-375 cells with CCR1 polyclonal antibody (Cat # PAB0176) at 2 ug/mL dilution.

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Immunohistochemistry (Formalin/PFA-Fixed Paraffin-Embedded Sections) staining of human spleen with CCR1 polyclonal antibody (Cat # PAB0176).

- Flow Cytometry

Left image : Surface staining of mouse primary epidermal cells (B-6 mice, 30 wks) with CL 11-PE, CD11c PE-Cy5, and CCR1 polyclonal antibody (Cat # PAB0176) with CY5 goat anti rabbit secondary. Right image : CD11c+ CL II+ cells (Langerans), stained with rabbit isotype control (shaded histogram) were analyzed for CCR1 at 5 uL (blue histogram) and 10 uL (Green histogram). Data kindly provided by Corey Parlet, University of Iowa.

Gene Info — CCR1

Entrez GeneID	1230
Protein Accession#	BAA01723.1
Gene Name	CCR1
Gene Alias	CD191, CKR-1, CKR1, CMKBR1, HM145, MIP1aR, SCYAR1

Gene Description	chemokine (C-C motif) receptor 1
Omim ID	601159
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	RANTES receptor

Publication Reference

- [Extracellular ATP mediates mast cell-dependent intestinal inflammation through P2X7 purinoceptors.](#)

Kurashima Y, Amiya T, Nochi T, Fujisawa K, Haraguchi T, Iba H, Tsutsui H, Sato S, Nakajima S, Iijima H, Kubo M, Kunisawa J, Kiyono H.

Nature Communications 2012 Sep; 3:1034.

Application: Flow Cyt, Mouse, ECs and lamina propria mononuclear cells

- [CCR1/CCL5 \(RANTES\) receptor-ligand interactions modulate allogeneic T-cell responses and graft-versus-host disease following stem-cell transplantation.](#)

Choi SW, Hildebrandt GC, Olkiewicz KM, Hanauer DA, Chaudhary MN, Silva IA, Rogers CE, Deurloo DT, Fisher JM, Liu C, Adams D, Chensue SW, Cooke KR.

Blood 2007 Nov; 110(9):3447.

Application: Flow Cyt, Mouse, Mouse splenocytes

Pathway

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

Disease

- [Alzheimer disease](#)
- [Birth Weight](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [HIV Infections](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Metabolic Syndrome X](#)
- [Multiple Sclerosis](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Rhinitis](#)