

Mouse CCR1 Antibody

Antigen Affinity-purified Polyclonal Sheep IgG Catalog Number: AF5986

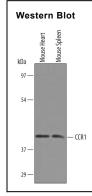
DESCRIPTION	
Species Reactivity	Mouse
Specificity	Detects mouse CCR1 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant mouse (rm) CCR4, rmCCR5, and rmCCR8 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	E. coli-derived recombinant mouse CCR1 Met1-Ala34, Asp92-Lys107, Phe172-Arg197, Gln265-Leu281 Accession # AAH11092
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below

DATA



Detection of Mouse CCR1 by Western Blot. Western blot shows lysates of mouse heart tissue and mouse spleen tissue. PVDF Membrane was probed with 1 µg/mL of Sheep Anti-Mouse CCR1 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5986) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for CCR1 at approximately 45 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 8.

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Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.			
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.			
	*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C			

Stability & Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

CCR1 (C-C chemokine receptor 1; also MIP-1α receptor and CD191) is a 43 kDa member of the GPCR #1 family of transmembrane proteins. Mouse CCR1 is expressed on osteoclasts, IL-13* T cells, neutrophils, bone marrow-derived mast cells, eosinophils, monocytes and vascular intimal smooth muscle cells. Multiple chemokines are reported to bind to CCR1. MIP-1α/CCL3 and RANTES/CCL5 are natural ligands, while CCL15, CCL9 and CCL23 are potent agonists after N-terminal processing. Mouse CCR1 is a 7-transmembrane protein that is 355 amino acids (aa) in length. It contains a 34 aa N-terminal extracellular domain plus a 50 aa C-terminal cytoplasmic tail. Over aa sequences 1-34, 92-107, 172-192 and 265-281 collectively, mouse CCR1 shares 76% and 89% aa identity with human and rat CCR1, respectively.

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