



CCR2 (PT2155R) Rabbit mAb

Catalog No	YP-rAb-18549
Isotype	IgG
Reactivity	Human,Mouse
Applications	WB、IHC、IF、ELISA
Gene Name	CCR2
Immunogen	The specific immunogen used to produce this antibody is proprietary information.
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Purification	Recombinant Antibody expressed in animal component-free (ACF) media, purified via Protein A affinity chromatography.
Dilution	IHC 1:200-1:1000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000 Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0 (Cat#YS0004)
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15°C to -25°C/1 year(Do not lower than -25°C)
Synonyms	CCR2;C-C chemokine receptor type 2;CCR2 ; CMKBR2 ; C-C chemokine receptor type 2 ; C-C CKR-2 ; CC-CKR-2 ; CCR-2 ; CCR2 ; Monocyte chemoattractant protein 1 receptor ; MCP-1-R ; CD192
Observed Band	43kD
Calculated Molecular Weight	42kD
Cell Pathway	Cell membrane ; Multi-pass membrane protein . The chemoattractant receptors are distributed throughout the cell surface; after stimulation with a ligand , such as CCL2 , they are rapidly recruited into microdomain clusters at the cell membrane.
Tissue Specificity	Expressed by monocytes and IL2-activated NK cells.
Function	Function:Receptor for the MCP-1 , MCP-3 and MCP-4 chemokines. Transduces a signal by increasing the intracellular calcium ions level. Alternative coreceptor with CD4 for HIV-1 infection. ,online information:CC chemokine receptors entry ,polymorphism:Variations in CCR2 are associated with relative resistance to immunodeficiency virus type 1 (resistance to HIV-1) [MIM:609423]. ,PTM:N-glycosylated. ,similarity:Belongs to the G-protein coupled receptor 1 family. ,subunit:Binds to HIV-1 Tat. ,
Background	This gene encodes two isoforms of a receptor for monocyte chemoattractant protein-1 , a chemokine which specifically mediates monocyte chemotaxis. Monocyte chemoattractant protein-1 is involved in monocyte infiltration in



inflammatory diseases such as rheumatoid arthritis as well as in the inflammatory response against tumors. The receptors encoded by this gene mediate agonist-dependent calcium mobilization and inhibition of adenylyl cyclase. This gene is located in the chemokine receptor gene cluster region. Two alternatively spliced transcript variants are expressed by the gene. [provided by RefSeq , Mar 2009] ,

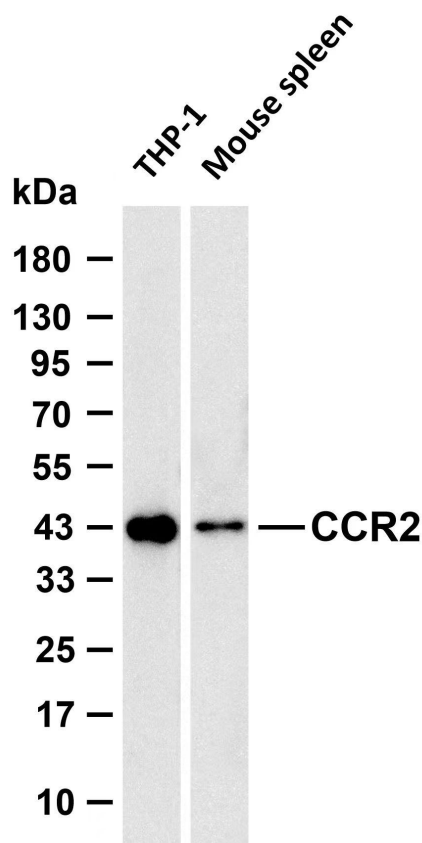
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



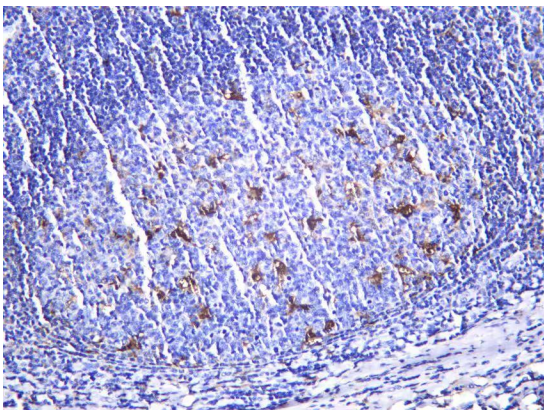
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CCR2 (PT2155R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody.

Lane 1: THP-1

Lane 2: Mouse spleen

Predicted band size: 42kDa

Observed band size: 43kDa



Human tonsil was stained with anti-CCR2 (PT2155R) Rabbit antibody