

## Basic Information

Product Name	Anti-CCR1 Antibody	
Gene Name	CCR1	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human	
Tested Application	IHC, FCM	
Contents	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.	
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse CCR1 different from the related human sequence by nine amino acids.	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Dilution Ratios	Immunohistochemistry (IHC): 1:50-400 Flow Cytometry (Fixed): 1:50-200 (Boiling the paraffin sections in 10mM citrate buffer, pH6.0, or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

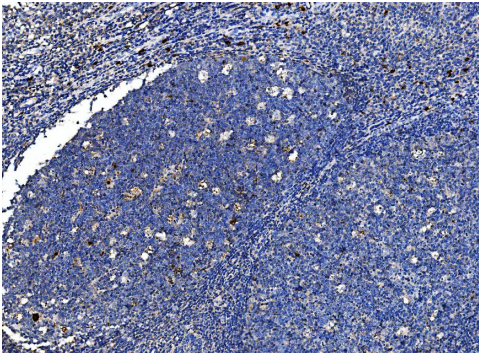
## Storage

12 months from date of receipt, -20°C as supplied.

## Background Information

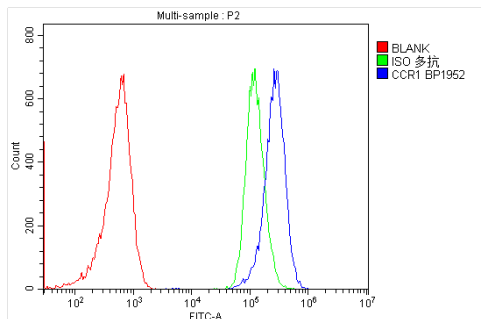
C-C chemokine receptor type 1 is a protein that in humans is encoded by the CCR1 gene. This gene encodes a member of the beta chemokine receptor family, which is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. The ligands of this receptor include macrophage inflammatory 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.

## Selected Validation Data



IHC analysis of CCR1 using anti-CCR1 antibody (BA0699-1).

CCR1 was detected in a paraffin-embedded section of human tonsil tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-CCR1 Antibody (BA0699-1) at a dilution of 1:200 and developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.



Flow cytometry analysis of human PBMC cell (1:100) DyLight 488

conjugated goat anti-rabbit IgG(blue) was used as secondary antibody.

Isotype control antibody (Green line) was rabbit IgG DyLight 488.

Unlabelled sample (Red line).