

CCR2 Polyclonal Antibody, DyLight™ 650

Catalog NumberPA5-23045

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody		
Immunogen	Synthetic peptide made to an N-terminal portion of the mouse CCR2 protein (within residues 20-100).	Flow Cytometry (Flow)	1:50
Conjugate	DyLight™ 650	Immunocytochemistry (ICC/IF)	1:50
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	0.74 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	50mM sodium borate		
Contains	0.05% sodium azide		
Storage Conditions	4° C, store in dark		

Background/Target Information

CCR2, a chemokine receptor, is a regulator of monocyte/macrophage traffickings and is upregulated in response to inflammation. Resistance to HIV-1 infection or delayed progression to AIDS may be linked to CCR2 polymorphisms. The ligand for CCR2 is monocyte chemoattractant protein (MCP-1), a chemokine produced by endothelial cells, smooth muscle cells, and macrophages. Activation of monocytes by MCP-1 may mediate the monocytic infiltration of tissues in atherosclerosis and other inflammatory disorders including rheumatoid arthritis, alveolitis, and tumor infiltration. Two isoforms are produced by alternative splicing. CCR2 has been reported to be expressed in a wide variety of tissues, including blood, brain, heart, kidney, liver, lung, ovary, pancreas, spinal cord, spleen, thymus, and vessel. Increased expression of CCR2 has been documented in CD3+ lymphocytes in rheumatoid arthritis. ESTs have been isolated from liver/spleen and prostate libraries.

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