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<b>Catalog Number:</b>	MO15087	<b>Host:</b>	Mouse
<b>Product Type:</b>	Protein G purified IgG <sub>2B</sub>	<b>Species Reactivity:</b>	Human
<b>Immunogen Sequence:</b>	This antibody was produced from a mouse hybridoma elicited from a Balb/c mouse inoculated with human CCR6 transfected, NS0 mouse myeloma cells.	<b>Format:</b>	Liquid 1mg/ml Solution in phosphate-buffered saline (PBS) with 5% Trehlose
<b>Applications:</b>	Immunohistochemistry - 25 µg/mL (Paraffin-embedded tissue) Flow Cytometry- 25 µg/mL		
<b>Storage:</b>	Dilutions listed as a recommendation. Optimal dilution should be determined by investigator. Antibody can be aliquotted and stored frozen at -20° C to -70° C in a manual defrost freezer for six months without detectable loss of activity. The antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. <i>Avoid repeated freeze-thaw cycles.</i>		

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### Application Notes

#### Specificity

This antibody was selected for its ability to react specifically with human CCR1 transfectants and not the parental cell line using flow cytometry. This antibody does not cross-react with CCR5 transfectants.

#### Immunocytochemistry

This antibody was used at a concentration of 25 µg/mL with appropriate secondary reagents to detect CCR1 in paraffin-embedded human tonsil tissue sections.

#### Flow Cytometry

Dilute this antibody to 25 µg/mL and add 10 µL of the diluted solution to 1 - 2.5 x 10<sup>5</sup> cells in a total reaction volume not exceeding 200 µL. The binding of unlabeled monoclonal antibodies may be visualized by adding 10 µL of a 25 µg/mL stock solution of a secondary developing reagent such as goat anti-mouse IgG conjugated to a fluorochrome.

#### Description/Data:

Chemokine receptors are seven-transmembrane domain G-protein coupled receptors that mediate the biological activities of chemokines. Most of these receptors exhibit promiscuous binding properties whereby several different chemokines signal through the same receptor. They are named according to the chemokine subfamily they bind. There are currently eleven

CC-specific receptors designated CCR1 to CCR11.

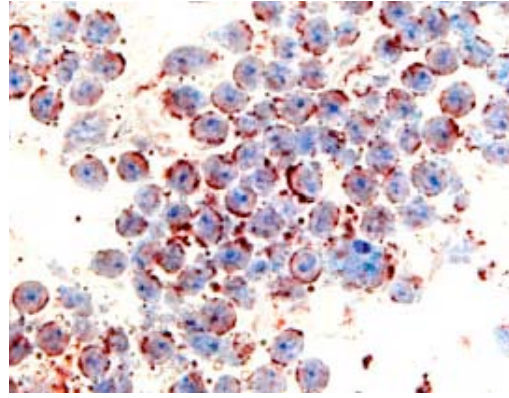
This receptor has been shown to be important for B lineage maturation and antigen driven B cell differentiation, and it may regulate the migration and recruitment of dendritic and T cells during inflammatory and immunological responses.

CCR6 has been reported to be expressed in intestine, colon, liver, lymph node, spleen, lung, blood, umbilical cord, placenta, skin, and pancreas. It has also been reported to be expressed in lymphocytes, T cells, and B cells.

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*Image: CCR6 Staining of human spleen. Cells were stained using ABC-HRP + AEC and Haematoxylin (blue).*



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