



**BMA BIOMEDICALS**

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## **Monoclonal Antibody To Human CCR2B**

**C-C chemokine receptor type 2; Monocyte Chemoattractant protein 1 Receptor;  
CD192; UniProt: P41597**

CCR2B is a 374 amino acid protein that belongs to the G-protein coupled receptor 1 family with seven transmembrane domains. It mediates the chemotactic properties of monocyte chemoattractant protein 1 (MCP-1) which is secreted by endothelial and epithelial cells, vascular smooth muscle and hematopoietic cells. MCP-1 is a potent chemoattractant for monocytes and lymphocytes. It is responsible for monocyte infiltration in a variety of chronic inflammatory diseases.

*This antibody was produced in vitro in bioreactors, without fetal calf serum.*

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**Product number: T-1219**

**Clone: 7A7**

**Lot: 03PO1716**

### **TECHNICAL AND ANALYTICAL CHARACTERISTICS:**

<b>Host species; subclass:</b>	Mouse IgG2a, kappa light chain
<b>Quantity:</b>	200µg
<b>Purification / Physical State:</b>	Protein G purified, lyophilized.
<b>Format:</b>	Affinity purified from cell culture supernatant, lyophilized. Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.4mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA) as a stabilizer and 0.1% Kathon CG as a preservative.
<b>Storage and stability:</b>	Original vial with lyophilized antibody is stable for 1 year from date of despatch. Aliquots of stock solution can be kept frozen at -20°C for two years from date of reconstitution; do not freeze working dilutions.
<b>Approximate working dilution:</b>	optimal dilution should be tested by serial dilution.
Immune Histochemistry:	4-8µg/ml (1:50 - 1:100) on frozen tissues, 10-20µg/ml (1:20 – 1:40) on formalin-fixed paraffin sections after proteinase K pretreatment (see protocol at www.bma.ch)
<b>Suggested positive control:</b>	human tonsil
<b>Immunogen:</b>	DNA vaccine.
<b>Antigen, epitope:</b>	The specificity of the antibody was verified by flow cytometry with cells expressing the recombinant protein. The epitope has not been further characterized. For an illustration of the expression pattern please go to www.bma.ch.

This product contains Kathon CG as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to reverse engineer any part thereof, nor to use it in diagnostic or therapeutic applications.