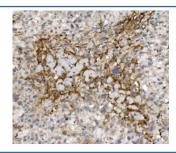


# CCR2 Antibody (RQ5799)

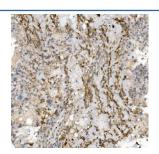
| Catalog No. | Formulation   | Size   |
|-------------|---|--------|
| RQ5799      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

## **Bulk quote request**

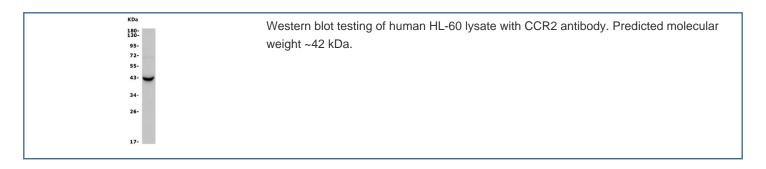
| Availability       | 1-3 business days  |
|--------------------|--|
| Species Reactivity | Human  |
| Format             | Antigen affinity purified  |
| Clonality          | Polyclonal (rabbit origin)   |
| Isotype            | Rabbit IgG   |
| Purity             | Affinity purified  |
| Buffer             | Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide  |
| UniProt            | P41597   |
| Applications       | Western Blot : 0.5-1ug/ml Immunohistochemistry : 1-2ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml |
| Limitations        | This CCR2 antibody is available for research use only.   |

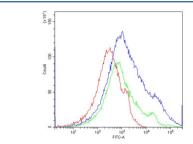


IHC staining of FFPE human liver cancer with CCR2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



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Flow cytometry testing of human PBM cells with CCR2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CCR2 antibody.

## **Description**

C-C chemokine receptor type 2 (CCR2 or CD192 (cluster of differentiation 192) is a protein that in humans is encoded by the CCR2 gene. It is mapped to 3p21.31. The protein encoded by this gene is 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 encoded protein mediates agonist-dependent calcium mobilization and inhibition of adenylyl cyclase. This protein can also be a coreceptor with CD4 for HIV-1 infection.

## **Application Notes**

Optimal dilution of the CCR2 antibody should be determined by the researcher.

### **Immunogen**

Recombinant human protein (amino acids E18-F53) was used as the immunogen for the CCR2 antibody.

## **Storage**

After reconstitution, the CCR2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.