

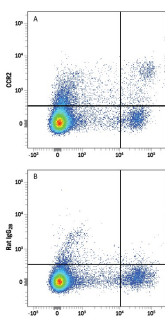
DESCRIPTION	
<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse CCR2 transfectants but not the parental cell line in flow cytometry. Does not detect HEK293 human embryonic kidney cell line transfected with mouse CCR5 in flow cytometry.
<b>Source</b>	Monoclonal Rat IgG <sub>2B</sub> Clone # 475301
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	L1.2 mouse pro-B cell line transfected with mouse CCR2
<b>Conjugate</b>	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
<b>Formulation</b>	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

**APPLICATIONS**  
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
<b>Flow Cytometry</b>	5 µL/10 <sup>6</sup> cells	See Below

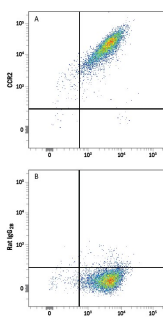
**DATA**

**Flow Cytometry**



**Detection of CCR2 in Mouse Splenocytes by Flow Cytometry.** Mouse splenocytes were stained with Rat Anti-Mouse Gr-1/Ly-6G APC-conjugated Monoclonal Antibody (Catalog # FAB1037A) and either (A) Rat Anti-Mouse/Rat CCR2 Alexa Fluor® 594-conjugated Monoclonal Antibody (Catalog # FAB5538T) or (B) Rat IgG<sub>2B</sub> Alexa Fluor 594 Isotype Control (Catalog # IC013T). View our protocol for [Staining Membrane-associated Proteins](#).

**Flow Cytometry**



**Detection of CCR2 in NS0 Mouse Cell Line Transfected with Mouse CCR2 and eGFP by Flow Cytometry.** NS0 mouse myeloma cell line transfected with mouse CCR2 and eGFP was stained with either (A) Rat Anti-Mouse/Rat CCR2 Alexa Fluor® 594-conjugated Monoclonal Antibody (Catalog # FAB5538T) or (B) Rat IgG<sub>2B</sub> Alexa Fluor 594 Isotype Control (Catalog # IC013T). View our protocol for [Staining Membrane-associated Proteins](#).

**PREPARATION AND STORAGE**

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> ● 12 months from date of receipt, 2 to 8 °C as supplied.

**BACKGROUND**  
CCR2, also known as CD192, is a 38 kDa 7TM chemokine receptor that binds CCL2, CCL7, CCL8, CCL12 (in mouse only) and CCL13. CCR2 is expressed by multiple hematopoietic cells plus, endothelial cells, fibroblasts, and smooth muscle cells. It functions as an HIV fusion co-factor and facilitates T cell recruitment during inflammation. Mouse CCR2 shares 67% and 95% aa sequence identity with human and rat CCR2, respectively.

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