

DESCRIPTION

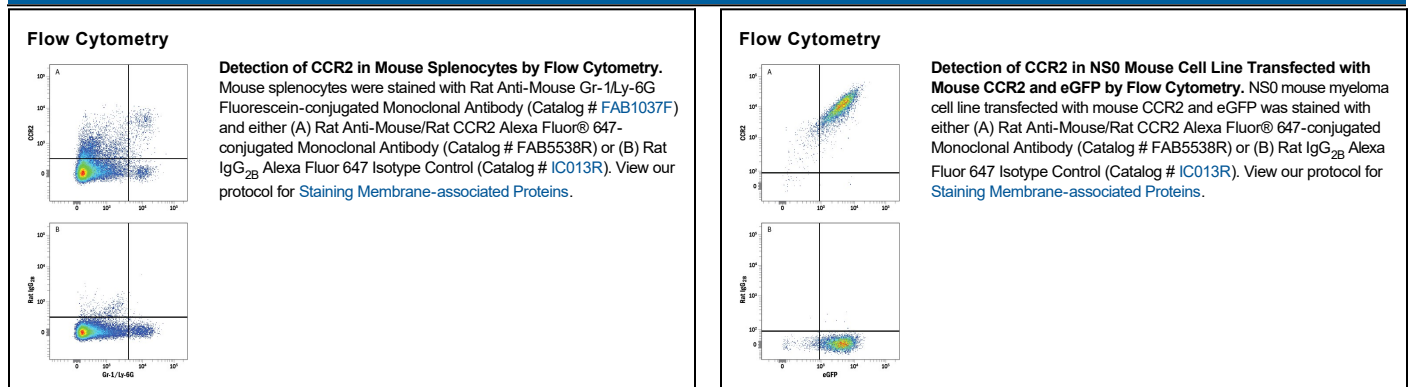
| | |
|---------------------------|--|
| Species Reactivity | Mouse |
| Specificity | Detects mouse CCR2 transfectants but not the parental cell line in flow cytometry. Does not detect HEK293 human embryonic kidney cell line transfected with mouse CCR5 in flow cytometry. |
| Source | Monoclonal Rat IgG _{2B} Clone # 475301 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | L1.2 mouse pro-B cell line transfected with mouse CCR2 |
| Conjugate | Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm |
| Formulation | 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 |
|-----------------------|----------------------------|-----------|
| Flow Cytometry | 5 µL/10 ⁶ cells | See Below |

DATA



PREPARATION AND STORAGE

| | |
|--------------------------------|--|
| Shipping | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| Stability & Storage | Protect from light. Do not freeze. <ul style="list-style-type: none"> ● 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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