Human CCR5 Alexa Fluor® 750-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 45502

Catalog Number: FAB180S

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Specifically stains human CCR5 transfectants but not the parental cell line as detected by flow cytometry. It has also been shown to react with a CCR5/CCR2 chimera (5222) containing the amino-terminal domain of CCR5. However, this antibody does not react with CCR5 present on unfixed stimulated human PBMCs by flow cytometry. For additional information regarding epitope specificity for this antibody and other R&D Systems anti-human CCR5 antibodies, see Lee, B. *et al.*, 1999, J. Biol. Chem. **274**:9617.
Source	Monoclonal Mouse IgG_{2B} Clone # 45502
Purification	Protein A or G purified from ascites
Immunogen	NS0 mouse myeloma cell line transfected with human CCR5 Met1-Leu352 Accession # P51681
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 nm
Formulation	Supplied 0.2 mg/mL 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	0.25-1 µg/10^6 cells	Human CCR5 transfected cells

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.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

CCR5 is a G protein-linked seven transmembrane domain chemokine receptor. CCR5 serves as a receptor for several chemokines including MIP-1α, MIP-1β, MCP-2, and RANTES. It also functions as a coreceptor for Macrophage Tropic HIV-1 infection.

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