SONY

Product Data Sheet

FITC anti-human CD191 (CCR1)

Catalog # / Size: 2414550 / 100 tests
2414545 / 25 tests

Clone: 5F10B29

Isotype: Mouse IgG1, κ

Immunogen: Human CCR1 transfected cells

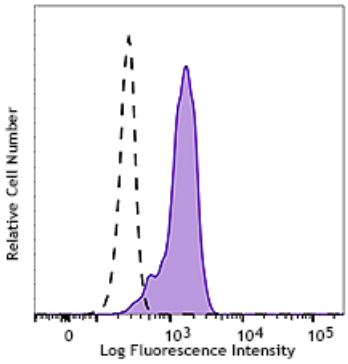
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with FITC under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).

Workshop Number: IV 103

Concentration: Lot-specific

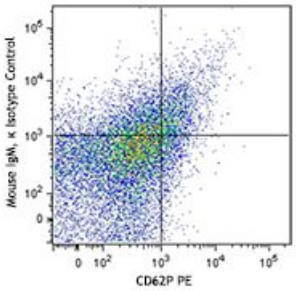


Human peripheral blood monocytes were stained with CD191 FITC (clone 5F10B29, filled histogram) or mouse IgG1, κ FITC isotype control (open histogram).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells or 5 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



Application Notes: This clone does not cross-react with human CCR4, CCR5, CCR6, CCR7, or CCR8.

Application References:

1. Su SB, *et al.* 1996. *J. Leuko. Biol.* 60:658.
2. Su S, *et al.* 1997. *Blood.* 90:605.
3. Ayehunie S, *et al.* 1997. *Blood.* 90:1379.
4. Gerard C, *et al.* 1997. *J. Clin.*

Description: CD191, also known as CCR1, is a 41 kD, G-protein coupled receptor expressed predominantly by monocytes. CCR1 is also expressed by a subset of T cells and eosinophils. CCR1 positive cells can migrate in response to a CCL3 and CCL5 gradient. CCR1 knock-out studies suggest that this molecule plays an important role in inflammation and susceptibility to viruses and parasites.

Antigen References:

1. Su SB, *et al.* 1996. *J. Leuko. Biol.* 60:658.
2. Su S, *et al.* 1997. *Blood.* 90:605.
3. Ayehunie S, *et al.* 1997. *Blood.* 90:1379.
4. Gerard C, *et al.* 1997. *J. Clin. Invest.* 100:2022.
5. Tiffany HL, *et al.* 1998. *J. Immunol.* 160:1385.
6. Gilliland CT, *et al.* 2013. *J. Biol. Chem.* 288:32194.
7. Bednar F, *et al.* 2014. *J. Immunol.* 192:5305.

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