

# APC/Fire™ 750 anti-human CD191 (CCR1)

**Catalog # /** 2414580 / 100 tests  
**Size:** 2414575 / 25 tests

**Clone:** 5F10B29

**Isotype:** Mouse IgG1, κ

**Immunogen:** Human CCR1 transfected cells

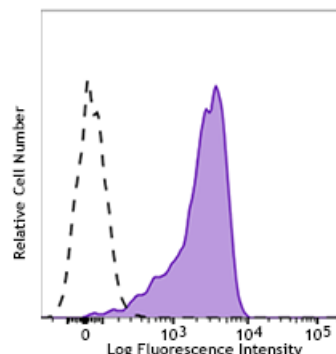
**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 750 under optimal conditions.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

**Workshop Number:** 750 under optimal conditions.

**Concentration:** Lot-specific



Human peripheral blood monocytes were treated with human TruStain FcX™ (Cat. No. 422302), then stained with True-Stain Monocyte Blocker™ (Cat. No. 426103) CD191 APC/Fire™ 750 (clone 5F10B29, filled histogram) or mouse IgG1, κ APC/Fire™ 750 isotype control (open histogram).

## Applications:

**Applications:** Flow Cytometry

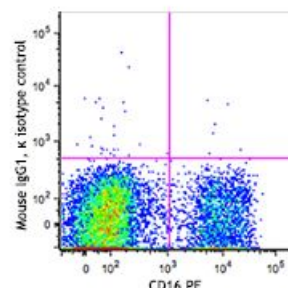
**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood.

\* APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 nm.

**Application Notes:** Additional reported applications (for the relevant formats of this clone) include: Western blotting<sup>3</sup> and IHC<sup>1,5</sup>.

**Application References:**

1. Walsh FS, *et al.* 1981. *Nature* 289:60. (FC)
2. Pavlath GK, *et al.* 1986. *J. Cell Biol.* 102:124. (FC)
3. Pavlath GK, *et al.* 1989. *Nature* 337:570. (FC)
4. Pulido R, *et al.* 1988. *J. Immunol.* 140:3851. (FC)



- 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.