

**FITC anti-human CD193 (CCR3)**

**Catalog # / Size:** 2153595 / 25 tests  
2153600 / 100 tests

**Clone:** 5E8

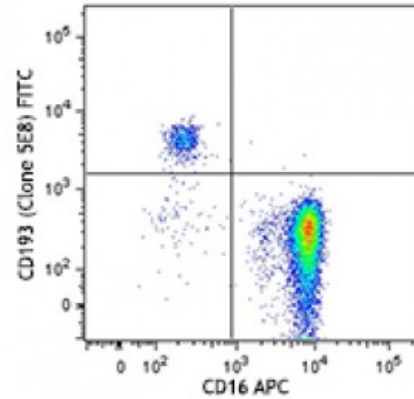
**Isotype:** Mouse IgG2b, κ

**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography and conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

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

**Concentration:** Lot-specific



Human peripheral blood leukocytes were stained with CD16 APC and CD193 (clone 5E8) FITC (top) or mouse IgG2b, κ FITC isotype control (bottom). Data shown was generated from granulocyte population gating.

**Applications:**

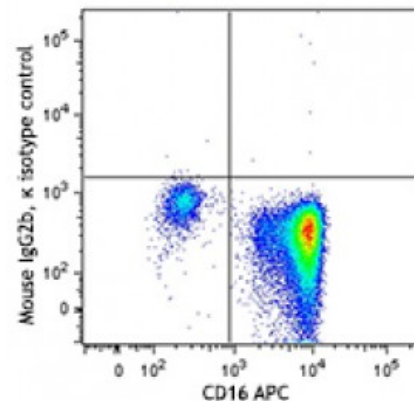
**Applications:** Flow Cytometry

**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 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** Additional reported applications (for the relevant formats) include: The 5E8 antibody is useful for immunofluorescent staining and flow cytometric analysis of CCR3 expression.

It has been observed that the 5E8 antibody clone can interact with PE/Cy7 antibody conjugates during multi-color staining, potentially leading to unwanted staining. This interaction can be resolved by sequentially staining with the 5E8 antibody first and then followed by the PE/Cy7 conjugate of interest.

**Application References:** 1. Beauvillian C, *et al.* 2011. *Blood* 117:1196. [PubMed](#)



**Description:** CD193, also known as CC-chemokine receptor 3 (CCR3), CC CKR3, MIP1- $\alpha$  receptor like-2, and eotaxin receptor, is a member of the G protein-coupled seven transmembrane receptors family. It binds to the CC chemokines eotaxin, eotaxin-2, and eotaxin-3 with high affinity. CCR3 has also been reported to bind RANTES, MCP-3, and MCP-4 with low affinity. CCR3 receptor is expressed on human eosinophils, basophils, mast cells, mononuclear phagocytes, platelets, CD34<sup>+</sup> hematopoietic progenitor cells, Th2-like lymphocytes, and keratinocytes. CCR3 is thought to play a role in allergic diseases such as bronchial asthma and allergic rhinitis. CCR3 is a co-receptor for HIV-1 and HIV-2, and the binding of eotaxin with CCR3 has been shown to inhibit HIV infection in some cell types.

**Antigen**  
**References:**

1. Gerard W, *et al.* 1996. *J. Exp. Med.* 183:2437.
2. Ugucioni C, *et al.* 1997. *J. Clin. Invest.* 100:1137.
3. Sallusto F, *et al.* 1997. *Science.* 277:2005.
4. Loetscher P, *et a*