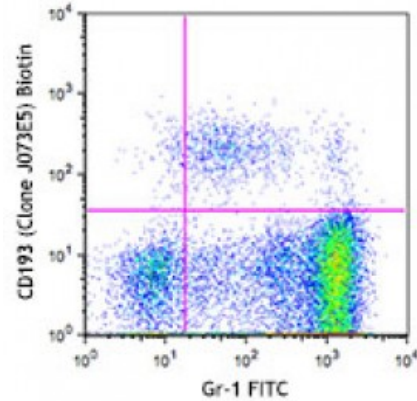


**Biotin anti-mouse CD193 (CCR3)**

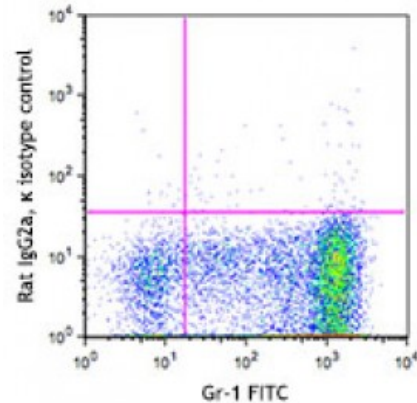
**Catalog # / Size:** 1322600 / 100 µg  
**Clone:** J073E5  
**Isotype:** Rat IgG2a, κ  
**Immunogen:** Mouse CCR3-transfectants  
**Reactivity:** Mouse  
**Preparation:** The antibody was purified by affinity chromatography and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.  
**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.  
**Concentration:** Lot-specific



C57BL/6 mouse peripheral blood myeloid cells were stained with Gr-1 FITC and CD193 (clone J073E5) Biotin (top) or rat IgG2a, κ biotin isotype control (bottom) followed by Streptavidin PE.

**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 ≤0.25 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.



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

- Antigen References:**
1. Zlotnik A, *et al.* 2006. *Genome Biol.* 7:243.
  2. Kodali RB, *et al.* 2004. *Arterioscler. Thromb. Vasc. Biol.* 24:1211.
  3. Das AM, *et al.* 2006. *J. Pharmacol. Exp. Ther.* 318:411.
  4. Huaux