SONY

Product Data Sheet

APC anti-mouse CD193 (CCR3)

Catalog # / Size: 1322560 / 100 µg
1322555 / 25 µg

Clone: J073E5

Isotype: Rat IgG2a, κ

Immunogen: Mouse CCR3-transfectants

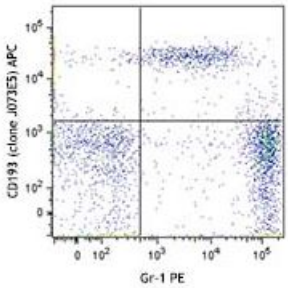
Reactivity: Mouse

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

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Workshop Number: 750 under optimal conditions.

Concentration: 0.2

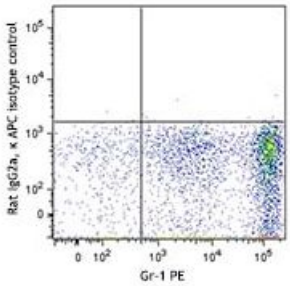


C57BL/6 mouse peripheral blood myeloid cells were stained with Gr-1 PE and CD193 (clone J073E5) APC (top) or rat IgG2a, κAPC isotype control (bottom).

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 ≤0.5 µg per million cells in 100 µl 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 F, *et al.* 2005. *Am. J. Pathol.* 167:1485.
5. Puxeddu I, *et al.* 2006. *J. Allergy Clin. Immunol.* 117:103.

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