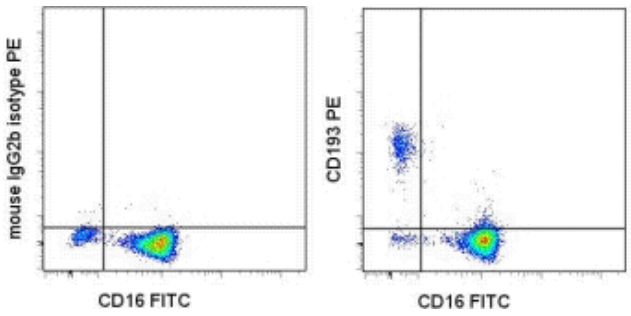
Anti-Human CD193 (CCR3) PE

Catalog Number: 12-1939
Also Known As:CKR3
RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of normal human peripheral blood cells with Anti-Human CD16 FITC (cat. 11-0168) and Mouse IgG2b K Isotype Control PE (cat. 12-4732) (left) or Anti-Human CD193 (CCR3) PE (right). Cells in the granulocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD193 (CCR3) PE
REF **Catalog Number:** 12-1939
Clone: eBio5E8-G9-B4 (5E8-G9-B4)
Concentration: 5 uL (0.06 ug)/test
Host/Isotype: Mouse IgG2b, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.
LOT **Batch Code:** Refer to Vial
Use By: Refer to Vial
Contains sodium azide

Description

The eBio5E8-G9-B4 monoclonal antibody reacts with human CD193 (CCR3, CKR3). CD193 is a member of the seven transmembrane G-protein coupled receptor (GPCR) family, and is a high affinity chemokine receptor for the chemokines eotaxin-1 (CCL11), eotaxin-2 (CCL24), eotaxin-3 (CCL26) and MCP-4 (CCL13), but has also been reported to bind RANTES, MCP-3 and MCP-4. CD193 is highly expressed on the surface of eosinophils, and is the key eosinophil chemokine receptor responsible for the regulation of eosinophil migration and function. In addition to eosinophils, CD193 is also expressed on CD4+ TH2 cells, basophils, mast cells, mononuclear phagocytes, platelets, CD34+ hematopoietic progenitors and airway epithelial cells. CD193 likely plays an important role in the migration of eosinophils in allergic airway inflammation and asthma. CD193 can also serve as a receptor for HIV-1 cell entry.

Applications Reported

This eBio5E8-G9-B4 (5E8-G9-B4) antibody has been reported for use in flow cytometric analysis.

Applications Tested

This eBio5E8-G9-B4 (5E8-G9-B4) antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µl (0.06 µg)/per test. A test is defined as the amount (µg)/test of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

References

Heath H, Qin S, Rao P, Wu L, LaRosa G, Kassam N, Ponath PD, Mackay CR. Chemokine receptor usage by human eosinophils. The importance of CCR3 demonstrated using an antagonistic monoclonal antibody. J Clin Invest. 1997 Jan 15;99(2):178-84.

Forssmann U, Uguccioni M, Loetscher P, Dahinden CA, Langen H, Thelen M, Baggiolini M. Eotaxin-2, a novel CC chemokine that is selective for the chemokine receptor CCR3, and acts like eotaxin on human eosinophil and basophil leukocytes. J Exp Med. 1997 Jun 16;185(12):2171-6.

Sallusto F, Mackay CR, Lanzavecchia A. Selective expression of the eotaxin receptor CCR3 by human T helper 2 cells. Science. 1997 Sep 26;277 (5334):2005-7.

Choe H, Farzan M, Sun Y, Sullivan N, Rollins B, Ponath PD, Wu L, Mackay CR, LaRosa G, Newman W, Gerard N, Gerard C, Sodroski J. The beta-chemokine receptors CCR3 and CCR5 facilitate infection by primary HIV-1 isolates. Cell. 1996 Jun 28;85(7):1135-48.

Related Products

11-0168 Anti-Human CD16 FITC (eBioCB16 (CB16))
12-4732 Mouse IgG2b K Isotype Control PE

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