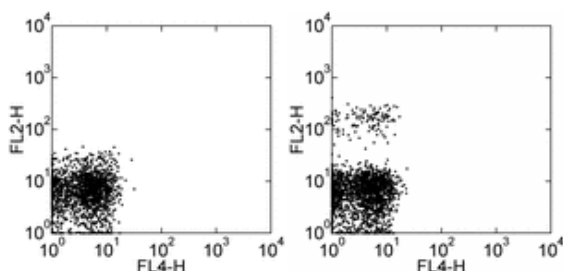


Anti-Human CD193 (CCR3) Purified

Catalog Number: 14-1939

Also Known As: CCR3

RUO: For Research Use Only



Staining of normal human peripheral blood cells with 0.5 μ g of Mouse IgG2b κ Isotype Control Purified (cat. 14-4732) (left) or 0.5 μ g of Anti-Human CD193 (CCR3) Purified (right) followed by F(ab')₂ Anti-Mouse IgG PE (cat. 12-4012). Cells in the large scatter population were used for analysis.

Product Information

Contents: Anti-Human CD193 (CCR3) Purified

REF Catalog Number: 14-1939

Clone: eBio5E8-G9-B4 (5E8-G9-B4)

Concentration: 0.5 mg/ml

Host/Isotype: Mouse IgG2b, κ

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

Description

The eBio5E8-G9-B4 monoclonal antibody reacts with human CD193 (CCR3, CCR3). 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 tested by flow cytometric analysis of normal human peripheral blood. This can be used at less than or equal to 1 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

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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.

Related Products

11-4011 Anti-Mouse IgG FITC

11-4317 Streptavidin FITC

12-4317 Streptavidin PE
13-4013 Anti-Mouse IgG Biotin (Polyclonal)
17-4317 Streptavidin APC

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