

CD193 (CCR3) Monoclonal Antibody (eBio5E8-G9-B4 (5E8-G9-B4)), eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG2b, kappa
Class	Monoclonal
Type	Antibody
Clone	eBio5E8-G9-B4 (5E8-G9-B4)
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_795829

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1 µg/test	1 Publication

Product Specific Information

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.

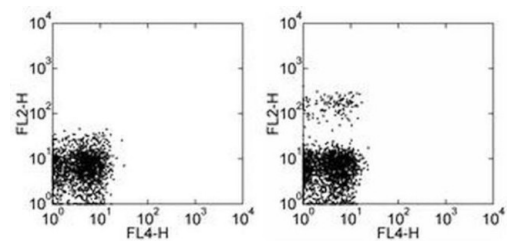
Applications Reported: This eBio5E8-G9-B4 (5E8-G9-B4) antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eBio5E8-G9-B4 (5E8-G9-B4) antibody has been tested by flow cytometric analysis of normal human peripheral blood. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.



CD193 (CCR3) Antibody (14-1939-82) in Flow
Staining of normal human peripheral blood cells with 0.5 µg of Mouse IgG2b kappa Isotype Control Purified (Product # 14-4732-82) (left) or 0.5 µg of Anti-Human CD193 (CCR3) Purified (right) followed by F (ab')₂ Anti-Mouse IgG PE (Product # 12-4012). Cells in the large scatter population were used for analysis.

1 Reference

Flow Cytometry (1)

PloS one	Year 2013
GMP-compliant isolation and large-scale expansion of bone marrow-derived MSC.	Species Human
"14-1939 was used in Flow cytometry/Cell sorting to investigate methods for animal-free expansion of bone marrow-derived mesenchymal stem cells."	
Authors: Fekete N,Rojewski MT,Fürst D,Kreja L,Ignatius A,Dausend J,Schrezenmeier H	

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