

Anti-Human CD193 (CCR3) PE

Catalog Number :16011-60

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Clone: 5E8-G9-B4

Format/Conjugate: PE

Concentration: 5 uL (0.06 ug)/test

Reactivity: Human

Laser: Blue (488nm), Yellow/Green (532-561nm)

Peak Emission: 578nm

Peak Excitation: 496nm

Filter: 585/40

Brightness (1=dim,5=brightest): 5

Isotype: Mouse IgG2b, kappa

Formulation: Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.

Storage: Product should be kept at 2-8°C and protected from prolonged exposure to light.

Applications: FC

Description

The 5E8-G9-B4 monoclonal antibody specifically reacts with human CD193, also known as CKR3 and CCR3. CD193. CD193 is a G protein-coupled seven transmembrane receptor that binds to eotaxin-1,2,3 and to a lesser degree to MCP-3,4 and RANTES. It is expressed on eosinophils and basophils, mast cells platelets, CD34+ hematopoietic progenitor, and mononuclear phagocytes. CD193 plays a role in asthma and is a co-receptor for HIV-1,2.

Preparation & Storage

The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. The antibody can be used at less than or equal to 5 µL per test. A test is the amount of antibody required to stain a cell sample in the final volume of 100 µL.

References

1. Agrawal, L., Maxwell, C. R., Peters, P. J., Clapham, P. R., Liu, S. M., Mackay, C. R., Strayer, D. S. (2009). Complexity in human immunodeficiency virus type 1 (HIV-1) co-receptor usage: roles of CCR3 and CCR5 in HIV-1 infection of monocyte-derived macrophages and brain microglia. *Journal of General Virology*, 90(3), 710-722.
2. Heath, H., Qin, S., Rao, P., Wu, L., LaRosa, G., Kassam, N., ... Mackay, C. R. (1997). Chemokine receptor usage by human eosinophils. The importance of CCR3 demonstrated using an antagonistic monoclonal antibody. *Journal of Clinical Investigation*, 99(2), 178.
3. Choe, H., Farzan, M., Sun, Y., Sullivan, N., Rollins, B., Ponath, P. D., ... Sodroski, J. (1996). The β-chemokine receptors CCR3 and CCR5 facilitate infection by primary HIV-1 isolates. *Cell*, 85(7), 1135-1148.