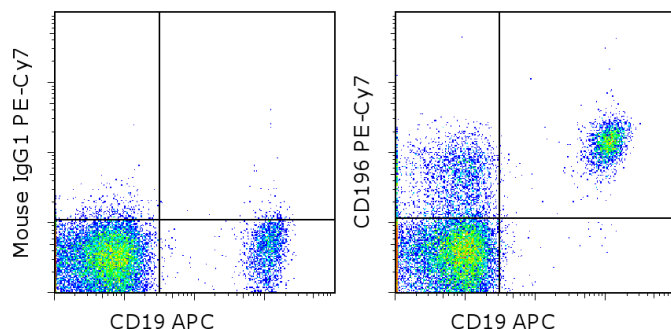


Anti-Human CD196 (CCR6) PE-Cy7

Catalog Number: 25-1969

Also known as:

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



Staining of normal human peripheral blood cells with Anti-Human CD19 APC (cat. 17-0199) and Mouse IgG1 kappa Isotype Control PE-Cyanine7 (cat. 25-4714) (left) or Anti-Human CD196 (CCR6) PE-Cyanine7 (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD196 (CCR6) PE-Cy7

Catalog Number: 25-1969

Clone: R6H1

Concentration: 5 uL (0.125 ug)/test

Host/Isotype: Mouse IgG1

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. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.

Batch Code: Refer to vial

Use By: Refer to vial

Contains sodium azide

Description

This R6H1 monoclonal antibody reacts with CD196 (also known as CCR6), a seven transmembrane G protein-coupled receptor expressed on T, B, dendritic, natural killer, and Langerhans cells. This CC chemokine receptor uniquely binds MIP-3a/CCL20, a chemoattractant for dendritic cells, effector/memory T cells, and B cells. CD196 is also involved in host defense and inflammation at epithelial sites. Furthermore, this receptor has been implicated in Th17 differentiation and CD4+FoxP3+ regulatory T cell development.

Applications Reported

This R6H1 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This R6H1 antibody has been pre-titrated and tested By flow cytometric analysis on normal human peripheral blood cells. This can be used at 5 µL (0.125 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.

Light sensitivity: This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 uL cell sample + 100 uL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

References

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Singh SP, Zhang HH, Foley JF, Hedrick MN, Farber JM. Human T cells that are able to produce IL-17 express the chemokine receptor CCR6. J Immunol. 2008 Jan 1;180(1):214-21

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Related Products

17-0199 Anti-Human CD19 APC (HIB19)

25-4714 Mouse IgG1 K Isotype Control PE-Cyanine7 (P3.6.2.8.1)

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