

Anti-Human CD196 (CCR6) PerCP-eFluor® 710

Catalog Number: 46-1969

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



Description

This R6H1 monoclonal antibody reacts with CD196 (also known as CCR6), a seven transmembrane G proteincoupled 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 of normal human peripheral blood cells. This can be used at 5 μ L (0.125 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.

PerCP-eFluor® 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Our testing indicates that PerCP-eFluor® 710 conjugated antibodies are stable when stained samples are exposed to freshly prepared 2% formaldehyde overnight at 4°C, but please evaluate for alternative fixation protocols.

Click here or contact eBioscience Technical Support for more information on eFluor™ Organic Dyes including PerCPeFluor® 710.

References

Liu H, Rohowsky-Kochan C.Regulation of IL-17 in human CCR6+ effector memory T cells. J Immunol. 2008 Jun



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Related Products

17-0199 Anti-Human CD19 APC (HIB19) 46-4714 Mouse IgG1 K Isotype Control PerCP-eFluor® 710 (P3.6.2.8.1)