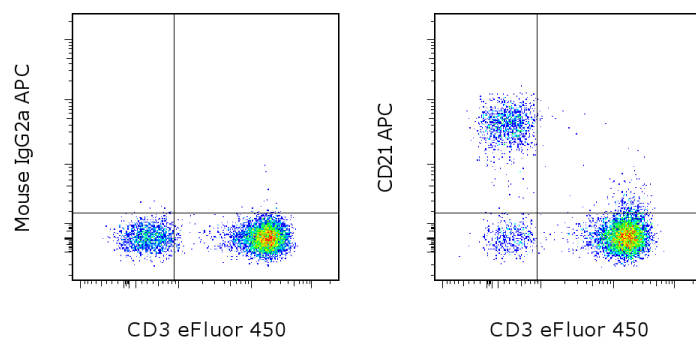


Anti-Human CD21 APC

Catalog Number: 17-0219

Also known as: CR2, Complement Component 3d Receptor (C3DR), EBV Receptor

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



Staining of normal human peripheral blood cells with Anti-Human CD3 eFluor[®] 450 (cat. 48-0038) and Mouse IgG2a K Isotype Control APC (cat. 17-4724) (left) or Anti-Human CD21 APC (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD21 APC

Catalog Number: 17-0219

Clone: HB5

Concentration: 5 μ L (0.03 μ g)/test

Host/Isotype: Mouse IgG2a, kappa

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.

Batch Code: Refer to vial

Use By: Refer to vial

Contains sodium azide

Description

The HB5 monoclonal antibody reacts with human CD21, an approximately 145 kDa type I transmembrane protein. CD21 is expressed by mature B cells, folliculate dendritic cells and a subset of epithelial cells and is a receptor for complement component C3d and Epstein-Barr virus (EBV). CD21, in association with CD19 and CD81, participates in the multimolecular complex with BCR and is involved in B cell activation.

Applications Reported

This HB5 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This HB5 antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at 5 μ L (0.03 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 10^5 to 10^8 cells/test.

References

Tedder TF, Clement LT, Cooper MD. Expression of C3d receptors during human B cell differentiation: Immunofluorescence analysis with the HB-5 monoclonal antibody. J. Immunol. 1984; 133:678-683.

Tedder TF, Clement LT, Weis JJ, Fearon DT, Cooper MD. The C3d receptor identified by the HB-5 monoclonal antibody: Expression and Role as a receptor for Epstein-Barr virus. Leukocyte Typing II. 1986; 2:499-508.

Related Products

11-0199 Anti-Human CD19 FITC (HIB19)

17-4724 Mouse IgG2a K Isotype Control APC

48-0038 Anti-Human CD3 eFluor[®] 450 (UCHT1)

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