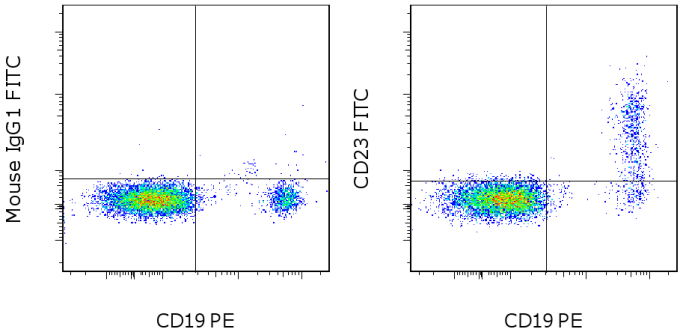
Anti-Human CD23 FITC

Catalog Number: 11-0238
Also known as: Low Affinity IgE Receptor, FceRII, FcER2, IGEBF
RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of normal human peripheral blood cells with Anti-Human CD19 PE (cat. 12-0199) and Mouse IgG1 K Isotype Control FITC (cat. 12-4714) (left) or Anti-Human CD23 FITC (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD23 FITC
REF **Catalog Number:** 11-0238
Clone: EBVCS2
Concentration: Suffix -71/73, 20 uL (0.25 ug)/test; Suffix -41/42, 5 uL (0.25 ug)/test
Host/Isotype: Mouse IgG1, kappa
HLDA Workshop: N/A

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.
LOT **Batch Code:** Refer to vial
Use By: Refer to vial
Contains sodium azide

Description

The EBVCS2 monoclonal antibody reacts with human CD23, a 45 kDa type II transmembrane glycoprotein. CD23 is expressed on mature B cells, mantle zone B cells, follicular dendritic cells and at low levels on T, NK, langerhans cells and platelets. Expression of CD23 is upregulated upon B cell activation, and soluble forms of the antigen have been reported to be biologically active. CD23 is a low affinity receptor for IgE and is thought to play a role in the regulation of IgE response and B cell activation. CD21 and the alpha subunit of CD11b and CD11c bind to CD23.

Applications Reported

The EBVCS2 antibody has been reported for use in flow cytometric analysis, and immunohistochemical staining of frozen tissue sections.

Applications Tested

The EBVCS2 antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood leukocytes. Refer to catalog number suffix on the vial for amount to use per test: 71/73 are 20 µL (0.25 µg) per test; whereas 41/42 are 5 µL (0.25 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 10^5 to 10^8 cells/test.

References

Knapp, W., B. Dorken, et al. eds. (1989). Leucocyte Typing IV: White Cell Differentiation Antigens. Oxford University Press. New York.

McMichael, A.J., P.C.L. Beverly, et al. eds. (1987). Leucocyte Typing III: White Cell Differentiation Antigens. Oxford University Press. New York.

Bernard, A., et al. eds. (1981). Leukocyte Typing. Springer-Verlag.

Related Products

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11-4714 Mouse IgG1 K Isotype Control FITC (P3.6.2.8.1)
12-0199 Anti-Human CD19 PE (HIB19)

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