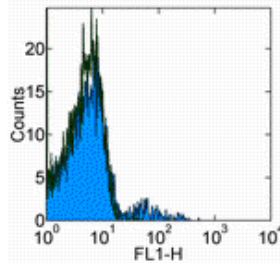


Anti-Human CD23 Purified

Catalog Number: 14-0238

Also Known As: Low Affinity IgE Receptor, FcεRII, FcεER2, IGEBF

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



Staining of normal human peripheral blood cells with 0.5 ug of Mouse IgG1 kappa Isotype Control Purified (cat. 14-4714) (open histogram) or 0.25ug of Anti-Human CD23 Purified (filled histogram) followed by Anti-Mouse IgG FITC (cat. 11-4011). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD23 Purified

REF **Catalog Number:** 14-0238

Clone: EBVCS2

Concentration: 0.5 mg/mL

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.



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 tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at less than or equal to 0.5 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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

11-4011 Anti-Mouse IgG FITC

11-4317 Streptavidin FITC

12-4317 Streptavidin PE

13-4013 Anti-Mouse IgG Biotin (Polyclonal)

14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.8.1)

17-4317 Streptavidin APC

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