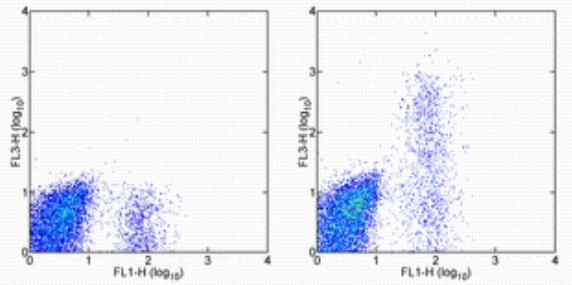
Anti-Human CD23 PE-Cyanine7

Catalog Number: 25-0238
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 FITC (cat. 11-0199) and Mouse IgG1 K Isotype Control PE-Cyanine7 (cat. 25-4714) (left) or Anti-Human CD23 PE-Cyanine7 (right). Cells in the lymphocyte and monocyte gates were used for analysis.

Product Information

Contents: Anti-Human CD23 PE-Cyanine7
REF **Catalog Number:** 25-0238
Clone: EBVCS2
Concentration: 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. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.
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

This EBVCS2 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This EBVCS2 antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at 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.

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

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

11-0199 Anti-Human CD19 FITC (HIB19)
25-4714 Mouse IgG1 K Isotype Control PE-Cyanine7 (P3.6.2.8.1)

Legal

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