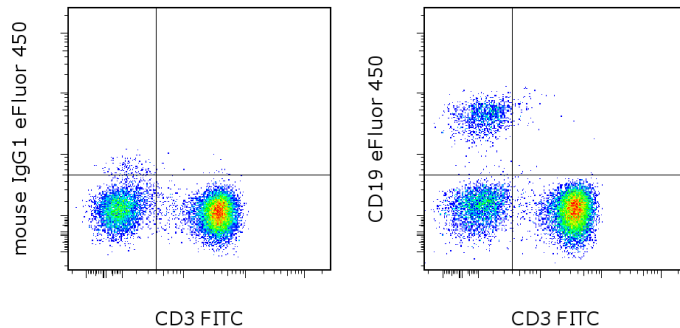


Anti-Human CD19 eFluor[®] 450

Catalog Number: 48-0198

Also known as: Leu-12, B4

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



Staining of normal human peripheral blood cells with Anti-Human CD3 FITC (cat. 11-0037) and Mouse IgG1 K Isotype Control eFluor[®] 450 (cat. 48-4714) (left) or Anti-Human CD19 eFluor[®] 450 (cat. 48-4714) (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD19 eFluor[®] 450



Catalog Number: 48-0198

Clone: SJ25C1

Concentration: 5 μ L (0.125 μ g)/test

Host/Isotype: Mouse IgG1, 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 SJ25C1 monoclonal antibody reacts with human CD19, a 95 kDa transmembrane glycoprotein. CD19 is expressed by B cells during all stages of development excluding the terminally differentiated plasma cells. Follicular dendritic cells also express this molecule. CD19, along with CD21, CD81, Leu13, and MHC class II, form a multimolecular complex that associates with the BCR. Signaling through CD19 induces tyrosine phosphorylation, calcium flux, and proliferation of B cells.

Applications Reported

This SJ25C1 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This SJ25C1 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.

eFluor[®] 450 is a replacement for Pacific Blue[®]. eFluor[®] 450 emits at 456 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

References

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

Schlossman, S., L. Bloumsell, et al. eds (1995). Leucocyte Typing V: White Cell Differentiation Antigens. Oxford University Press. New York.

Related Products

00-4222 Flow Cytometry Staining Buffer

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11-0037 Anti-Human CD3 FITC (OKT3)

48-4714 Mouse IgG1 K Isotype Control eFluor® 450 (P3.6.2.8.1)

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