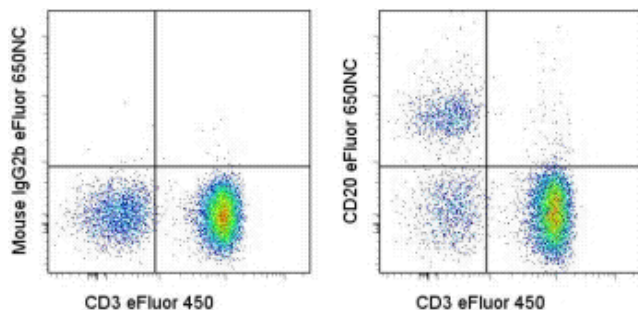


Anti-Human CD20 eFluor® 650NC

Catalog Number: 95-0209

Also Known As: B1, Leu-16

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. 48-0037) and Mouse IgG2b K Isotype Control eFluor® 650NC (cat. 95-4732) (left) or Anti-Human CD20 eFluor® 650NC (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD20 eFluor® 650NC

REF **Catalog Number:** 95-0209

Clone: 2H7

Concentration: 5 uL

Host/Isotype: Mouse IgG2b, kappa

HLDA Workshop: IV B201

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Light sensitive material. This product is guaranteed for 6 months upon receipt when stored properly.

LOT **Batch Code:** Refer to Vial

Use By: Refer to Vial

Caution, contains Azide

Description

The 2H7 monoclonal antibody reacts with human CD20, a 33-36 kDa transmembrane protein. CD20 is expressed by developing B cells as well as mature B cells but not plasma cells. CD20 has been detected at low levels on a small subset of mature T cells. It is suggested that CD20 plays a role in B-cell activation.

Applications Reported

This 2H7 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This 2H7 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL per test. A test is defined as the amount 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.

The Isotype Control Mouse IgG2b eFluor® 650NC (cat. 95-4732) should be used at 5 uL/test.

Laser/Filter Recommendation: When using eFluor 650NC, we recommend excitation with the 405nm violet laser with an appropriate filter set, such as the 630 LP dichroic mirror with the 660/40 bandpass filter. The eFluor 650NC can be minimally excited off of the 633 nm laser, and because its peak emission is 650nm, it will require some compensation out of the APC detector.

Fixation Recommendation: When fixing samples that have been stained with nanocrystal reagents, we recommend keeping the total volume at approximately 200 uL. (100 uL cells + 100 uL IC Fixation Buffer (cat. 00-8222)) and the exposure time at 30-60 minutes to preserve the optimal fluorescent signal from the nanocrystal reagent.

For answers about fixation and other questions, please refer to Nanocrystal Frequently Asked Questions or contact eBioscience Technical Support.

References

Reinherz, E.L., et al. eds. 1985. Leukocyte Typing II (Vol. I, II, and III). Human Leukocyte Differentiation Antigens detected by Monoclonal Antibodies.

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

Knapp, W., B. Dorken, et al. eds. 1989. Leukocyte 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

48-0037 Anti-Human CD3 eFluor® 450 (OKT3)

48-0199 Anti-Human CD19 eFluor® 450 (HIB19)

95-4732 Mouse IgG2b K Isotype Control eFluor® 650NC

Legal

Under patent number: US 7,939,170 and additional pending patent application(s)

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.eBioscience.com • info@eBioscience.com