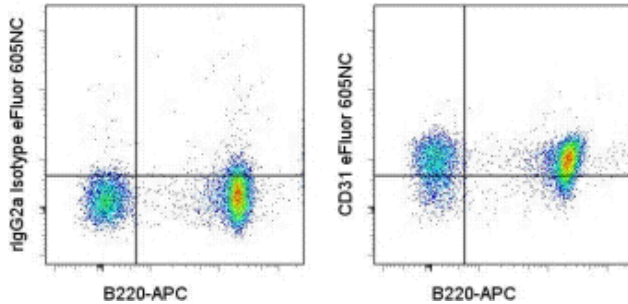


Anti-Mouse CD31 (PECAM-1) eFluor® 605NC

Catalog Number: 93-0311

Also Known As: Platelet-Endothelial Cell Adhesion Molecule 1

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



Staining of C57BL/6 splenocytes with Anti-Human/Mouse CD45R (B220) APC (cat. 17-0452) and Rat IgG2a K Isotype Control eFluor® 605NC (cat. 93-4321) (left) or Anti-Mouse CD31 (PECAM-1) eFluor® 605NC (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD31 (PECAM-1) eFluor® 605NC

REF **Catalog Number:** 93-0311

Clone: 390

Concentration: 5 µL

Host/Isotype: Rat IgG2a, kappa

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 390 monoclonal antibody reacts with mouse CD31, also known as platelet-endothelial cell adhesion molecule-1 (PECAM-1) and gpIIa. This 130-140 kDa surface protein is expressed by endothelial cells and at low levels on all leukocytes and platelets. It has been reported that CD38 binds to CD31. Homotypic interaction of CD31 is important in adhesion, cell-cell and cell-matrix interaction, and signal transduction.

Applications Reported

This 390 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This 390 antibody has been pre-titrated and tested by flow cytometric analysis of mouse splenocytes. 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 rat IgG2a Isotype Control eFluor 605NC (cat. 93-4321) should be used at 5 µL/test.

Laser/Filter Recommendation: When using eFluor 605NC, we recommend excitation with the 405nm violet laser with an appropriate filter set, such as the 595LP dichroic mirror with the 605/40 bandpass filter. An acceptable alternative is the 610/20 bandpass filter. For instruments not equipped with a violet laser, the eFluor 605NC is also excited by the 488 nm blue laser and can be used as a PE-Texas Red alternative.

Fixation Recommendation: When fixing samples that have been stained with nanocrystal reagents, we recommend keeping the total volume at approximately 200 µL of IC Fixation Buffer (cat. 00-8222) and the exposure time 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

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Related Products

00-4222 Flow Cytometry Staining Buffer

17-0452 Anti-Human/Mouse CD45R (B220) APC (RA3-6B2)

93-4321 Rat IgG2a K Isotype Control eFluor® 605NC (eBR2a)

Legal

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

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