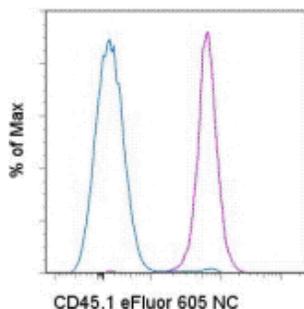


Anti-Mouse CD45.1 eFluor® 605NC

Catalog Number: 93-0453

Also Known As: SJL, Ly5.1

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



Staining of BALB/c (blue histogram) or SJL splenocytes (purple histogram) with Anti-Mouse CD45.1 eFluor® 605NC. Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD45.1 eFluor® 605NC

REF **Catalog Number:** 93-0453

Clone: A20

Concentration: 5 µL

Host/Isotype: Mouse 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 A20 monoclonal antibody reacts with the mouse CD45 molecule, the leukocyte common antigen (LCA) in CD45.1-expressing mouse strains. The strains that express CD45.1 include SJL/J, DA, STS/A and RIII. CD45.1 is expressed by all leukocytes in these strains.

Applications Reported

This A20 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This A20 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 Mouse IgG2a Isotype Control eFluor 605NC (cat. 93-4724) 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

Shen, F-W. (1981). Monoclonal antibodies to mouse lymphocyte differentiation alloantigens. In Monoclonal antibodies and T cell Hybridomas; Perspective and technical advances, eds. Hammerling, G.J., U. Hammerling, and J.F. Kearney: 25-31.

Related Products

00-4222 Flow Cytometry Staining Buffer

93-4724 Mouse IgG2a K Isotype Control eFluor® 605NC

Legal

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

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