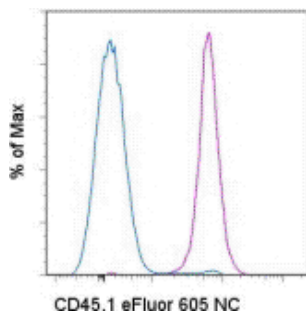


## Anti-Mouse CD45.1 eFluor® 605NC

**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  $\mu$ L

**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  $\mu$ L per test. A test is defined as the amount of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test.

The Mouse IgG2a Isotype Control eFluor 605NC (cat. 93-4724) should be used at 5  $\mu$ L/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  $\mu$ L 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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