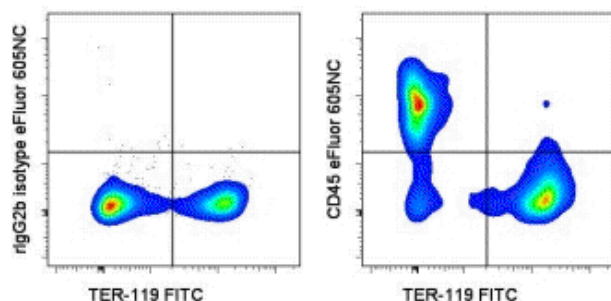


## Anti-Mouse CD45 eFluor® 605NC

**Catalog Number:** 93-0451

**Also Known As:** Leukocyte Common Antigen, LCA, Ly-5

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



Staining of BALB/c bone marrow with Anti-Mouse TER-119 FITC (cat. 11-5921) and Rat IgG2b K Isotype Control eFluor® 605NC (cat. 93-4031) (left) or Anti-Mouse CD45 eFluor® 605NC (right). Total viable cells were used for analysis.

### Product Information

**Contents:** Anti-Mouse CD45 eFluor® 605NC

**REF** **Catalog Number:** 93-0451

**Clone:** 30-F11

**Concentration:** 5 µL

**Host/Isotype:** Rat IgG2b, 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 30-F11 monoclonal antibody reacts with all isoforms of mouse CD45, also known as Leukocyte Common Antigen (LCA). CD45 is expressed by all hematopoietic cells excluding mature erythrocytes and platelets. The cytoplasmic portion of CD45 has tyrosine phosphatase enzymatic activity and plays an important role in activation of lymphocytes.

### Applications Reported

This 30-F11 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This 30-F11 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 10<sup>5</sup> to 10<sup>8</sup> cells/test.

The Mouse IgG2b Isotype Control eFluor 605NC (cat. 93-4031) 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 reagents.

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

### References

Ledbetter, J. A. and L. A. Herzenberg (1979). Xenogeneic monoclonal antibodies to mouse lymphoid differentiation antigens. Immunol Rev 47: 63-90.

### Related Products

00-4222 Flow Cytometry Staining Buffer

11-5921 Anti-Mouse TER-119 FITC (TER-119)

93-4031 Rat IgG2b K Isotype Control eFluor® 605NC

**Legal**

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

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