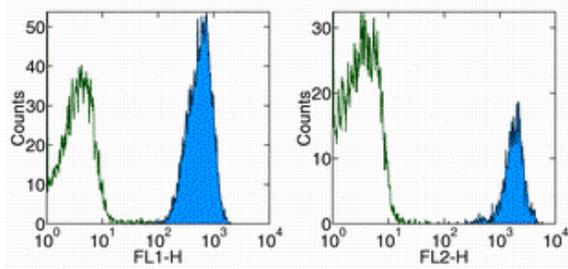


Anti-Mouse CD45 PE

Catalog Number: 12-0451

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

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



Surface staining of mouse splenocytes with Rat IgG2b kappa Isotype Control FITC (cat. 11-4031) (left, open histogram) or Rat IgG2b kappa Isotype Control PE (cat. 12-4031) (right, open histogram), and Anti-Mouse CD45 FITC (cat. 11-0451) (left, filled histogram) or 0.015 ug of Anti-Mouse CD45 PE (right, filled histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD45 PE

REF **Catalog Number:** 12-0451

Clone: 30-F11

Concentration: 0.2 mg/mL

Host/Isotype: Rat IgG2b, kappa

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



Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.



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

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

Applications Tested

The 30-F11 antibody has been tested by flow cytometric analysis of mouse bone marrow cells and splenocytes. This can be used at less than or equal to 0.03 µg per test. A test is defined as the amount (µg) 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

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

Related Products

11-4031 Rat IgG2b K Isotype Control FITC (eB149/10H5)

12-4031 Rat IgG2b K Isotype Control PE (eB149/10H5)