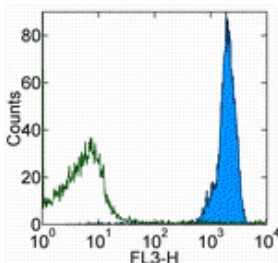


Anti-Mouse CD45 PE-Cyanine7

Catalog Number: 25-0451

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

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



Staining of BALB/c splenocytes with 0.06 ug of Rat IgG2b K Isotype Control PE-Cyanine7 (cat. 25-4031) (open histogram) or 0.06 ug of Anti-Mouse CD45 PE-Cyanine7 (filled histogram). Total splenocytes were used for analysis.

Product Information

Contents: Anti-Mouse CD45 PE-Cyanine7

REF **Catalog Number:** 25-0451

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. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.



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 tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.125 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.

Light sensitivity: This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 uL cell sample + 100 uL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

References

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

Related Products

25-0459 Anti-Human CD45 PE-Cyanine7 (HI30)

25-4031 Rat IgG2b K Isotype Control PE-Cyanine7

Legal

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