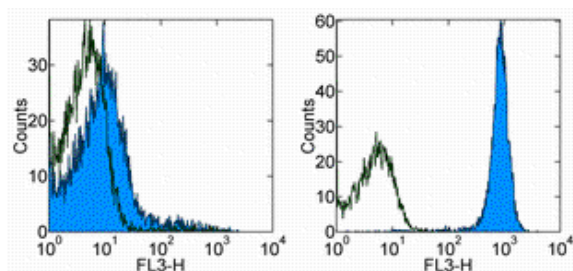


Anti-Mouse CD45.1 PE-Cyanine7

Catalog Number: 25-0453

Also Known As: SJL, Ly5.1

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



Staining of BALB/c (left) or SJL (right) splenocytes with staining buffer (autofluorescence) (open histogram) or 0.25 µg of Anti-Mouse CD45.1 PE-Cyanine7 (filled histogram). Total cells were used for analysis.

Product Information

Contents: Anti-Mouse CD45.1 PE-Cyanine7

 **Catalog Number:** 25-0453

Clone: A20

Concentration: 0.2 mg/mL

Host/Isotype: Mouse IgG2a, 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.





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

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

Applications Tested

This A20 antibody has been tested by flow cytometric analysis of mouse splenocyte suspensions. This can be used at less than or equal to 0.5 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 µL cell sample + 100 µL 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

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

25-4724 Mouse IgG2a K Isotype Control PE-Cyanine7

Legal

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