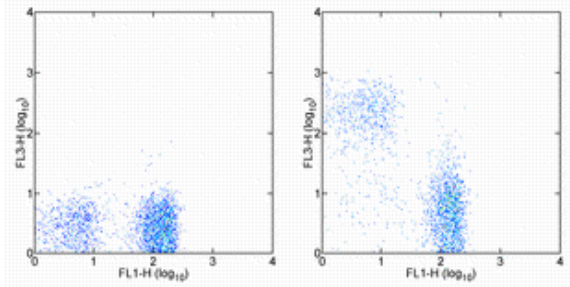


Anti-Mouse CD90.2 (Thy-1.2) PE-Cyanine7

Catalog Number: 25-0902

Also Known As: Thy1.2

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



Staining of C57BL/6 splenocytes with Anti-Human/Mouse CD45R (B220) FITC (cat. 11-0452) and 0.03 ug of Rat IgG2a K Isotype Control PE-Cyanine7 (cat. 25-4321) (left) or 0.03 ug of Anti-Mouse CD90.2 (Thy-1.2) PE-Cyanine7 (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Mouse CD90.2 (Thy-1.2) PE-Cyanine7

REF **Catalog Number:** 25-0902

Clone: 53-2.1

Concentration: 0.2 mg/mL

Host/Isotype: Rat 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.

LOT **Batch Code:** Refer to Vial

Use By: Refer to Vial

Caution, contains Azide

Description

The 53-2.1 monoclonal antibody reacts with mouse CD90.2 also known as Thy-1.2, a GPI-linked membrane molecule. CD90.2 is expressed by mouse thymocytes and mature T cells as well as neurons in CD90.2-expressing mouse strains. These strains include BALB/c, CBA, C3H, C57BL/6, C58/, SJL and others. Cells from CD90.1-expressing strains including PL and AKR do not stain with 53-2.1. CD90 is involved in regulation of adhesion and signal transduction by T cells.

Applications Reported

This 53-2.1 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This 53-2.1 antibody has been tested by flow cytometric analysis of mouse splenocyte suspensions. This can be used at less than or equal to 0.06 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

- 11-0452 Anti-Human/Mouse CD45R (B220) FITC (RA3-6B2)
- 11-0903 Anti-Mouse CD90.2 (Thy-1.2) FITC (30-H12)
- 12-0903 Anti-Mouse CD90.2 (Thy-1.2) PE (30-H12)
- 13-0903 Anti-Mouse CD90.2 (Thy-1.2) Biotin (30-H12)
- 14-0903 Anti-Mouse CD90.2 (Thy-1.2) Purified (30-H12)
- 16-0903 Anti-Mouse CD90.2 (Thy-1.2) Functional Grade Purified (30-H12)

25-4321 Rat IgG2a K Isotype Control PE-Cyanine7 (eBR2a)

Legal

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