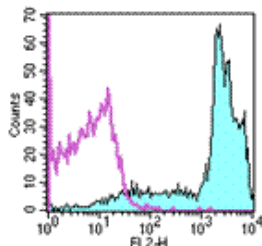


## Anti-Mouse CD45RB PE

Catalog Number: 12-0455


RUO: For Research Use Only



Staining of C57BL/6 splenocytes with 0.25 µg of Rat IgG2a κ Isotype Control PE (cat. 12-4321) (open histogram) or 0.125 µg of Anti-Mouse CD45RB PE (filled histogram). Total viable cells were used for analysis.

### Product Information

Contents: Anti-Mouse CD45RB PE


 Catalog Number: 12-0455

Clone: C363.16A


Concentration: 0.2 mg/ml


Host/Isotype: Rat IgG2a, κ

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.

 Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

### Description

The C363.16A monoclonal antibody reacts with the exon B-dependent isoform of mouse CD45. This CD45 isoform is expressed by thymocytes, peripheral B cells and a subpopulation of T cells at high density and by dendritic cells and macrophages at low density. CD45 is a protein tyrosine phosphatase and serves an important role in leukocyte signal transduction.

### Applications Reported

The C363.16A antibody has been reported for use in flow cytometric analysis.

### Applications Tested

The C363.16A antibody has been tested by flow cytometric analysis of mouse splenocyte suspensions. This can be used at less than or equal to 0.25 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 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

Bottomly, K., M. Luqman, et al. (1989). "A monoclonal antibody to murine CD45R distinguishes CD4 T cell populations that produce different cytokines." *Eur J Immunol* 19(4): 617-23.

Johnson, P., L. Greenbaum, et al. (1989). "Identification of the alternatively spliced exons of murine CD45 (T200) required for reactivity with B220 and other T200-restricted antibodies." *J Exp Med* 169(3): 1179-84.

### Related Products

12-4321 Rat IgG2a K Isotype Control PE

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