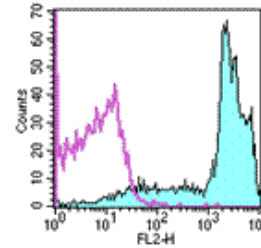


Product Information

Contents: Phycoerythrin (PE) anti-mouse CD45RB
Catalog Number: 12-0455
Sizes: 50 ug, 100 ug, 200 ug
Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, 0.09% NaN₃
Storage Conditions: Store at 4°C.
DO NOT FREEZE.
LIGHT-SENSITIVE MATERIAL.
Clone: C363.16A
Isotype: Rat IgG2a, κ



Staining of C57Bl/6 splenocytes with 0.25 µg of PE rat IgG2a isotype control (cat. 12-4321) (open histogram) or 0.125 µg of PE C363.16A (colored histogram). Total viable cells were used for analysis.

Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
11-0455	FITC anti-mouse CD45RB	488	518	FC
12-0455	PE anti-mouse CD45RB	488	575	FC
13-0455	Biotin anti-mouse CD45RB	N/A	N/A	FC
14-0455	Affinity Purified anti-mouse CD45RB	N/A	N/A	FC IH/F IP

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.

Usage

For research use only, not for diagnostic or therapeutic use. 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 million cells in a 100 µl total staining volume. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Related Products

Cat. 11-0455 FITC anti-mouse CD45RB (clone C363.16A)
Cat. 13-0455 Biotin anti-mouse CD45RB (clone C363.16A)
Cat. 14-0455 Affinity Purified anti-mouse CD45RB (clone C363.16A)
Cat. 12-4321 PE Rat IgG2a Isotype Control

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.

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