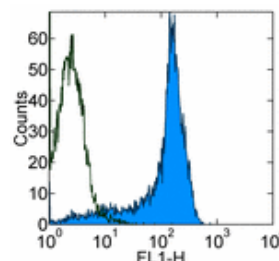


Product Information

Contents: Affinity Purified anti-mouse CD45RB
Catalog Number: 14-0455
Sizes: 50 ug, 100 ug, 500 ug
Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, 0.09% NaN₃
Storage Conditions: Store at 4°C.
Avoid repeated freeze/thaw cycles.
Clone: C363.16A
Isotype: Rat IgG2a, κ



Staining of BALB/c splenocytes with 0.06 µg of Purified Rat IgG2a Iso Cntrl (cat. 14-4321) (open histogram) or 0.06 µg of Purified C363.16A (colored histogram) followed by FITC Anti-Rat IgG (cat. 11-4811). 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, immunoprecipitation, and immunohistochemical staining of frozen tissue sections.

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 0.125 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. 12-0455 PE anti-mouse CD45RB (clone C363.16A)
Cat. 13-0455 Biotin anti-mouse CD45RB (clone C363.16A)
Cat. 11-4317 Streptavidin-FITC (Fluorescein isothiocyanate)
Cat. 12-4317 Streptavidin-PE (Phycoerythrin)
Cat. 17-4317 Streptavidin Allophycocyanin (SA-APC)
Cat. 14-4321 Affinity Purified Rat IgG2a Isotype Control
Cat. 11-4811 FITC Anti-Rat IgG
Cat. 13-4813 Biotin Anti-Rat IgG (clone Polyclonal)

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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