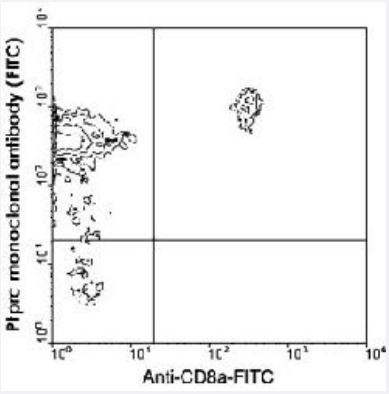
Ptprc exon B-dependent form monoclonal antibody, clone C363.16A (PE)

Catalog # MAB5733 Size 100 ug

Applications



Flow Cytometry

BALB/c splenocytes were double-stained with Ptprc exon B-dependent form monoclonal antibody, clone C363.16A (PE) and rat anti-mouse CD8a-FITC. Small lymphocytes were then gated and analyzed on a FACScan™ flow cytometer (BDIS, San Jose, CA).

Specification

Product Description	Rat monoclonal antibody raised against Ptprc exon B-dependent form.
Immunogen	Cloned mouse Th2 cell lines.
Host	Rat
Reactivity	Mouse
Specificity	An exon B-dependent epitope of CD45 glycoprotein.
Form	Liquid
Conjugation	PE
Isotype	IgG2a, kappa
Recommend Usage	Flow Cytometry (0.2 ug/10^6 cells) The optimal working dilution should be determined by the end user.

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Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store in the dark at 4°C. Do not freeze. Avoid prolonged exposure to light. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Flow Cytometry

  BALB/c splenocytes were double-stained with Ptprc exon B-dependent form monoclonal antibody, clone C363.16A (PE) and rat anti-mouse CD8a-FITC. Small lymphocytes were then gated and analyzed on a FACScan™ flow cytometer (BDIS, San Jose, CA).

- Immunoprecipitation

Gene Info — Ptprc

Entrez GeneID	19264
Gene Name	Ptprc
Gene Alias	B220, CD45R, Cd45, Ly-5, Lyt-4, T200, loc
Gene Description	protein tyrosine phosphatase, receptor type, C
Gene Ontology	Hyperlink
Gene Summary	receptor type
Other Designations	lymphocyte common antigen

Publication Reference

- Expression of variable exon A-, B-, and C-specific CD45 determinants on peripheral and thymic T cell populations.

  Hathcock KS, Laszlo G, Dickler HB, Sharrow SO, Johnson P, Trowbridge IS, Hodes RJ.

  Journal of Immunology 1992 Jan; 148(1):19.

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- A monoclonal antibody to murine CD45R distinguishes CD4 T cell populations that produce different cytokines.

  Bottomly K, Luqman M, Greenbaum L, Carding S, West J, Pasqualini T, Murphy DB.

  European Journal of Immunology 1989 Apr; 19(4):617.

- Identification of the alternatively spliced exons of murine CD45 (T200) required for reactivity with B220 and other T200-restricted antibodies.

  Johnson P, Greenbaum L, Bottomly K, Trowbridge IS.

  The Journal of Experimental Medicine 1989 Mar; 169(3):1179.

  Application: Flow Cyt, Mouse, Ψ2 cells

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