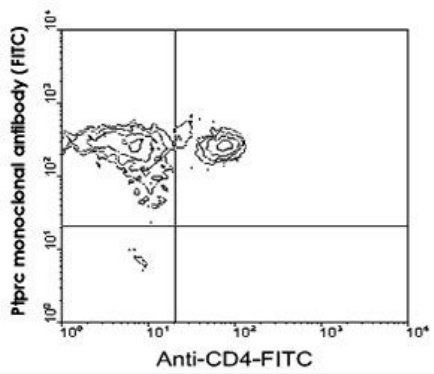
Ptprc monoclonal antibody, clone I3/2.3 (APC/CY7)

Catalog # MAB5944 Size 100 ug

Applications



Flow Cytometry

BALB/c spleen cells were double-stained with Ptprc monoclonal antibody, clone I3/2.3 (FITC) (Cat # MAB5936) and rat anti-mouse CD4-FITC. Small lymphocytes were gated and analyzed on a FACScan™ flow cytometer (BDIS, San Jose, CA).

Specification

Product Description	Rat monoclonal antibody raised against native Ptprc.
Immunogen	Native purified Ptprc from T1M1 (Thy-1-C) cells.
Host	Rat
Reactivity	Mouse
Specificity	Specificity Mouse CD45 (T200 or leukocyte common antigen/LCA, all isoforms)
Form	Liquid
Conjugation	APC/Cy7
Isotype	IgG2b
Recommend Usage	Flow Cytometry (0.2 ug/10^6 cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)

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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

- Immunohistochemistry (Frozen sections)
- Flow Cytometry

  BALB/c spleen cells were double-stained with Ptprc monoclonal antibody, clone I3/2.3 (FITC) (Cat # MAB5936) and rat anti-mouse CD4-FITC. Small lymphocytes were 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

- CD45: an emerging role as a protein tyrosine phosphatase required for lymphocyte activation and development.

  Trowbridge IS, Thomas ML.

  Annual Review of Immunology 1994 Jan; 12:85.

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- 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

- Interspecies spleen-myeloma hybrid producing monoclonal antibodies against mouse lymphocyte surface glycoprotein, T200.

  Trowbridge IS.

  The Journal of Experimental Medicine 1978 Jul; 148(1):313.

  Application: IP, Mouse, Thymocytes, spleen cells and T1M1 cells

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