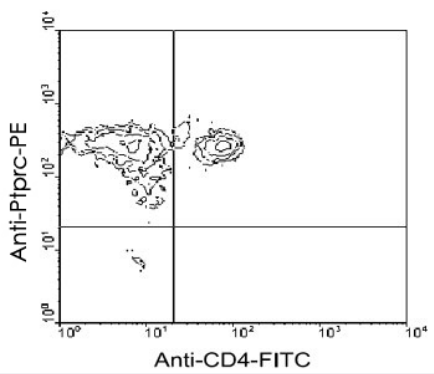
Ptprc monoclonal antibody, clone I3/2.3

Catalog # MAB5608 Size 500 ug

Applications



Flow Cytometry

BALB/c spleen cells were double-stained with Ptprc monoclonal antibody-PE 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 Ptprc.
Immunogen	T1M1 (Thy-1-C) cells.
Host	Rat
Reactivity	Mouse
Specificity	Mouse CD45 (T200 or leukocyte common antigen/LCA, all isoforms).
Form	Liquid
Isotype	IgG2b
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In 100 mM BBS, pH 8.2
Storage Instruction	Store at 4°C.

Applications

- Immunohistochemistry (Frozen sections)
- Immunoprecipitation
- Flow Cytometry

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

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

- Detection of restricted isoform expression and tyrosine phosphatase activity of CD45 in murine dendritic cells.

  Haidl ID, Ng DH, Rothenberger S, Johnson P, Jefferies WA.

  European Journal of Immunology 1995 Dec; 25(12):3370.

  Application: IP, Mouse, Mouse dendritic cells

- 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.

- 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