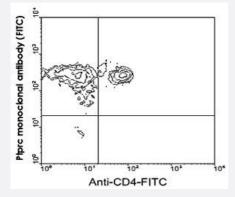


# Ptprc monoclonal antibody, clone I3/2.3 (SPRD)

Catalog # MAB5941 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<sup>TM</sup> 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	SPRD
Isotype	lgG2b
Recommend Usage	Flow Cytometry (0.2 ug/10 <sup>6</sup> cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)



#### **Product Information**

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)
- Immunoprecipitation
- Flow Cytometry

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

Gene Info — Ptprc	
Entrez GenelD	<u>19264</u>
Gene Name	Ptprc
Gene Alias	B220, CD45R, Cd45, Ly-5, Lyt-4, T200, loc
Gene Description	protein tyrosine phosphatase, receptor type, C
Gene Ontology	<u>Hyperlink</u>
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.



#### **Product Information**

• 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, 42 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