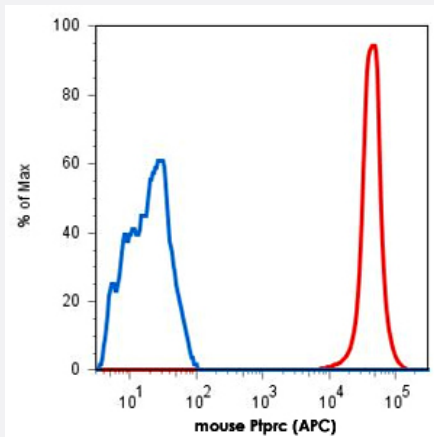


# Ptprc monoclonal antibody, clone EM-05

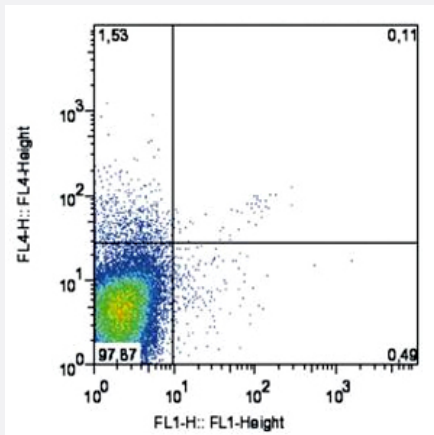
Catalog # MAB6467      Size 100 ug

## Applications



### Flow Cytometry

Surface staining of mouse blood lymphocytes with Ptprc monoclonal antibody, clone EM-05 (APC).



### Flow Cytometry

Surface staining of Ptprc knock-out cells with Ptprc monoclonal antibody, clone EM-05 (Cat # MAB6467).

## Specification

Product Description	Rat monoclonal antibody raised against native Ptprc.
Immunogen	Native purified Ptprc from mouse peripheral blood leukocytes.
Host	Rat
Reactivity	Mouse

Specificity	This antibody reacts with mouse CD45 antigen (Leukocyte Common Antigen), a single chain type I transmembrane protein expressed at high level on cells of hematopoietic origin, except erythrocytes and platelets.
Form	Liquid
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunoprecipitation Flow Cytometry (2 ug/mL) Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot
- Immunocytochemistry
- Immunoprecipitation

- Flow Cytometry

Surface staining of mouse blood lymphocytes with Ptpcr monoclonal antibody, clone EM-05 (APC).

- Flow Cytometry

Surface staining of Ptpcr knock-out cells with Ptpcr monoclonal antibody, clone EM-05 (Cat # MAB6467).

## Gene Info — Ptpcr

Entrez GeneID	<a href="#">19264</a>
Gene Name	Ptpcr
Gene Alias	B220, CD45R, Cd45, Ly-5, Lyt-4, T200, loc

Gene Description	protein tyrosine phosphatase, receptor type, C
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	receptor type
Other Designations	lymphocyte common antigen

## Publication Reference

- [Involvement of CD45 in DNA fragmentation in apoptosis induced by mitochondrial perturbing agents.](#)  
Desharnais P, Dupere-Minier G, Hamelin C, Devine P, Bernier J.  
Apoptosis 2008 Feb; 13(2):197.
- [Combinations of CD45 isoforms are crucial for immune function and disease.](#)  
Dawes R, Petrova S, Liu Z, Wraith D, Beverley PC, Tchilian EZ.  
Journal of Immunology 2006 Mar; 176(6):3417.
- [CD45 isoform RB as a molecular target to oppose lipopolysaccharide-induced microglial activation in mice.](#)  
Townsend KP, Vendrame M, Ehrhart J, Faza B, Zeng J, Town T, Tan J.  
Neuroscience Letters 2004 May; 362(1):26.  
  
Application: Flow Cyt, Mouse , Mouse cultured microglial cells