

Ptpcr monoclonal antibody, clone EM-05 (PE)

Catalog # MAB5117

Size 100 ug

Specification

Product Description	Rat monoclonal antibody raised against native Ptpcr.
Immunogen	Native purified Ptpcr 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
Conjugation	PE
Concentration	0.5 mg/mL
Isotype	IgG
Recommend Usage	Flow Cytometry (4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.2% BSA, 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 should be handled by trained staff only.

Applications

- Flow Cytometry

Gene Info — Ptpcr

Entrez GeneID	19264
Gene Name	Ptpcr
Gene Alias	B220, CD45R, Cd45, Ly-5, Lyl-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

- [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-null transgenic mice reveal a positive regulatory role for CD45 in early thymocyte development, in the selection of CD4+CD8+ thymocytes, and B cell maturation.](#)
Byth KF, Conroy LA, Howlett S, Smith AJ, May J, Alexander DR, Holmes N.
The Journal of Experimental Medicine 1996 Apr; 183(4):1707.