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Datasheet

Ptprc monoclonal antibody, clone EM-05 (PerCP)

Catalog Number: MAB5119

Regulation Status: For research use only (RUO)

Product Description: Rat monoclonal antibody raised against native Ptprc.

Clone Name: EM-05

Immunogen: Native purified Ptprc from mouse peripheral blood leukocytes.

Host: Rat

Reactivity: Mouse

Applications: Flow Cyt
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

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: PerCP

Concentration: 0.1 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, 15 mM 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.

Entrez GeneID: 19264

Gene Symbol: Ptprc

Gene Alias: B220, CD45R, Cd45, Ly-5, Lyt-4, T200, loc

References:

1. 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):197-212.
2. Combinations of CD45 isoforms are crucial for immune function and disease. Dawes R, Petrova S, Liu Z, Wraith D, Beverley PC, Tchilian EZ. J Immunol. 2006 Mar 15;176(6):3417-25.
3. 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. J Exp Med. 1996 Apr 1;183(4):1707-18.