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PTPRC
Mouse Anti-Human CD45 (Clone B-A11) FITC mAb

Catalog No.	CDM372	**Quantity:**	100 tests

Alternate Names: LCA; LY5; B220; CD45; L-CA; T200; CD45R; GP180

Description: The mouse monoclonal antibody recognizes human CD45, a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitosis, and oncogenic transformation. CD45 is a receptor type PTP, with an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains. CD45 is an essential regulator of T- and B-cell antigen receptor signaling. It functions through either direct interaction with components of the antigen receptor complexes, or by activating various Src family kinases required for the antigen receptor signaling. CD45 also suppresses JAK kinases, and thus functions as a regulator of cytokine receptor signaling.

Gene ID: 5788

Concentration: 100 tests/ml

Conjugate: FITC

Specificity: Recognizes the Leucocyte Common Antigen (LCA) with different isoforms of 180-190 -205-220 kDa.

Host: Mouse

Isotype: IgG1

Immunogen: Thymus cells and Jurkat cell line.

Clone: B-A11

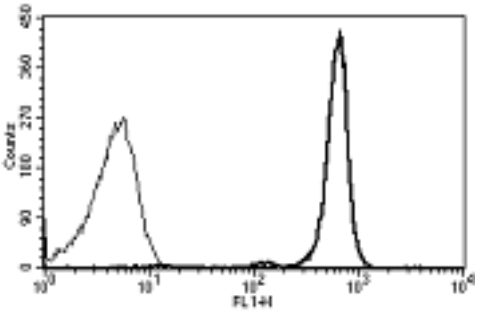
Formulation: Liquid in PBS + 5% BSA + 0.1 % sodium azide. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.

Applications: Flow Cytometry

Application Notes: Use 10 µl to label 10^6 cells or 100 µl of whole blood. The optimal concentration should be determined by the user for each specific application.

Storage & Stability: Stable at 2-8°C for 1 year. For longer storage, freeze aliquots at -20 to -80°C. **Avoid repeated freeze-thaw cycles.**

A typical staining pattern with the B-A11 monoclonal antibody of lymphocytes



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