

# Mouse anti-Human CD45, APC Conjugated mAb

Catalog No: #AB28145



Package Size: #AB28145-1 50 Tests

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## Description

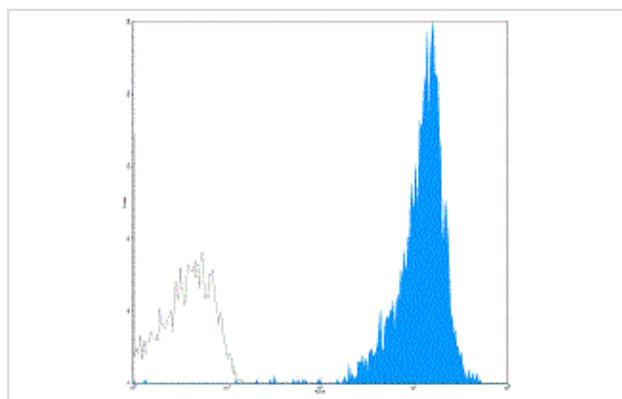
Product Name	Mouse anti-Human CD45, APC Conjugated mAb
Host Species	Mouse
Clonality	Monoclonal
Clone No.	4AA9
Isotype	IgG2a
Applications	FC
Species Reactivity	Hu
Conjugates	APC
Target Name	CD45
Formulation	Phosphate-buffered solution, pH7.4, containing 0.09% sodium azide and 0.2% (w/v) BSA
Storage	Store at 4°C. DO NOT FREEZE. LIGHT SENSITIVE MATERIAL.

## Application Details

Vol.per.Test: 10 &amp;mu;l/Test

Notice: This reagent has been pre-diluted for use at recommended volume per test in flow cytometry analysis. Typically add 10ul of this reagent to 100&mu;l of experimental sample with 1 X 10<sup>6</sup> cells per test. Please refer to the detailed protocol when you perform a test.

## Images



Human peripheral blood lymphocytes analyzed with APC CD45 mAb

## Background

4AA9 reacts with CD45, a 180-220 kDa leukocyte common antigen (LCA). CD45 antigen is expressed at high levels on all hematopoietic cells including T and B lymphocytes, monocytes, granulocytes, NK cells and dendritic cells, but is not expressed on non-hematopoietic cells. CD45 antibody has also been reported to react weakly with mature blood erythrocytes and platelets. CD45 is a protein tyrosine phosphatase receptor that is critically important for T and B cell antigen receptor-mediated activation.

\*Target of immunosuppressive antibody treatment.

1. Knapp, W et al., eds. (1989) Leucocyte Typing IV: White Cell Differentiation Antigens, Oxford University Press, New York.
2. Trowbridge, IS and Thomas, ML. (1993) Annu. Rev. Immunol. 12:85.

3. Pulido, R et al., (1988) J. Immunol. 140:3851.
4. Roach, T et al., (1997) Curr. Biol. 7:408.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.