



Mouse Anti Human CD45 APC

PRODUCT INFORMATION

CLONE: HI30
ISOTYPE: Mouse IgG1, κ
WS.No.: IV N816
CATALOG#: A6705/A6715
CONTENTS: APC conjugated antibody buffered in 10mM PBS (pH 7.0) with 0.05% NaN₃ and 1% BSA.

DESCRIPTION

CD45 McAb recognizes 180, 190, 205 and 220KD long single chain type I transmembrane glycoprotein called leukocyte common antigen (LCA). LCA is typically at high levels on all nucleated hematopoietic cells including bone marrow cells, thymocytes, lymphocytes, monocytes, granulocytes, but not on mature erythrocytes, platelets and non-hematopoietic tissues and cells. CD45 is critically required for T and B cell antigen receptor-mediated activation.

PREPARATION

The monoclonal antibody is purified from ascites by protein G affinity chromatography and is conjugated with APC under optimum conditions.

USAGE

The APC conjugation is tested for flow cytometric analysis using 20 μ l/10⁶ cells or 100 μ l peripheral blood cells.

STORAGE

Store at 4°C, should not be frozen and avoid prolonged exposure to light.

REFERENCES

1. Shen DC., Chen Z., Bai JF., et al., 1991. Properties and preliminary application of three monoclonal antibodies of non-lineage antigens- CD45, CD45R and CD53. *J. Monoclonal Antibody*. 7(1): 53
2. Knapp W., B.Dorcken, E.P.Rieber, et al., eds. 1989. *Leucocyte Typing IV: White Cell Differentiation Antigens*. P: 628, 1086 Oxford University Press, New York.
3. Tadimitsu K, K.Hitoshi, A.E.G.Kr.van dem Borne, et al., eds. 1997. *Leucocyte Typing VI: White Cell Differentiation Antigens*. P: 499—501, 1144 Garland Publishing, Inc., New York.

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