

Mouse Anti Human CD45 Purified

PRODUCT INFORMATION

CLONE: HI73
ISOTYPE: Mouse IgG2a
WS.No.: IV N834
CATALOG#: A7301/A7301-bulk
CONTENTS: Purified antibody buffered in 10mM PBS (PH 7.0) with 0.1% NaN₃.

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.

USAGE

The purified reagent is effective for indirect immunofluorescence staining of human cells for flow cytometric analysis and is tested for immunohistochemical staining of acetone-fixed frozen sections and formalin-fixed paraffin sections.

STORAGE

Store at 4°C. For long-term storage aliquot and store at -20°C. Avoid freeze and thaw cycles.

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.Dorken, E.P.Rieber, et al., eds. 1989. Leucocyte Typing IV: White Cell Differentiation Antigens. P: 628, 1086 Oxford University Press, New York.
3. Tadamitsu 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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