

CD45 (HI30) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 250969

Unit: 0.1 mg

Description:

The CD45 (HI30) antibody recognizes the 180, 190, 205 and 220-kDa long single chain type I transmembrane glycoprotein called leukocyte common antigen (LCA). LCA is typically expressed 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.

Isotype: mouse IgG1

Applications: E, FC, IHC

Species Reactivity: H

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Leukocyte common antigen; L-CA; T200; CD45 antigen; PTPRC; Protein tyrosine phosphatase receptor type C

Accession No.: P08575

Application Notes: Purified antibody is suitable for immunohistochemistry with acetone-fixed frozen and formalin-fixed paraffin sections. E: 1:500-1:1,000; FC: 1:200-1:1,000; IHC: 1:200-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

Product Citations: Shen DC., et al. 1991. J. Monoclonal Antibody. 7(1):53; Knapp W., et al., eds. 1989. Leucocyte Typing IV: White Cell Differentiation Antigens. P798, 1078, Oxford University Press, New York; Tadamitsu K. et al., eds. 1997. Leucocyte Typing VI: White Cell Differentiation Antigens. P49-52, 113-114 Garland Publishing, Inc., New York.

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