

CD45RA (HI100) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 250970

Unit: 0.1 mg

Description:

The CD45RA (HI100) antibody recognizes the 205/220-kDa isoform of leukocyte common antigen expressed on 40-50% peripheral CD4+ T cells, 50% peripheral CD8+ T cells and a portion of B cells and monocytes. Studies have shown that expression of different isoforms is characteristic of differentiated subset of hematopoietic cells (for instance CD45RA on naïve/ resting T cells and CD45RD on memory/ activated T cells; CD45RA on medullary thymocytes and CD45RD on cortical thymocytes). It is also reported that the pattern of 87% of B-ALL is CD45RA+/ CD45RO-, 70% of T-ALL is CD45RA-/ CD45RD+ and 78% of B-ALL is CD45RA+/ CD45RO+.

Isotype: Mouse IgG2a

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: [1] Shen DC et al. 1991. J. Monoclonal Antibody. 7(1):53. [2] Knapp W et al. eds. 1989. Leucocyte Typing IV: White Cell Differentiation Antigens. P798, 1078, Oxford University Press, New York. [3] Tadimitsu 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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