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## **CD45RA (HI100) Antibody**

**Subcategory:** Mouse Monoclonal Antibody, PE-conjugated Antibody

**Cat. No.:** 251082

**Unit:** 2 ml

**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:** FC

**Species Reactivity:** H

**Format:** Each vial contains 2 ml IgG (100 tests) in PBS pH7.4, 0.1% BSA 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:** FC with whole blood: 100  $\mu$ l blood + 20  $\mu$ l antibody; FC with cells: 10E6 cells + 20  $\mu$ l antibody. FC: 1:200-1:1,000

**Storage:** Store at 4°C. Product is guaranteed 6 months 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; 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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