

Datasheet for ABIN7278415
anti-CD45RA antibody (PE-Cy7)



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1 Image

Overview

Quantity:	100 tests
Target:	CD45RA
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD45RA antibody is conjugated to PE-Cy7
Application:	Flow Cytometry (FACS)

Product Details

Clone:	HI100
Isotype:	IgG2b kappa
Cross-Reactivity:	Chimpanzee
Purification:	This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

Target Details

Target:	CD45RA
Alternative Name:	CD45RA (CD45RA Products)
Background:	The HI100 antibody reacts with the human CD45 isoform known as CD45RA, a protein tyrosine

Target Details

phosphatase of 220 kDa. CD45 is one of the most abundant hematopoietic markers, and is expressed on all leukocytes (the Leukocyte Common Antigen, LCA). Various isoforms are generated and expressed in cell-specific patterns. With their broad cell distribution, CD45 isoforms are critical for many leukocyte functions, regulating signal transduction and cell activation associated with the T cell receptor, B cell receptor, and IL-2 receptor. Other forms of CD45, with restricted cellular expression, include CD45R (B220), CD45RB, CD45RO and others. The HI100 antibody is widely used as a marker for human CD45RA expression on naive and activated T cells, B cells, and monocytes.

Gene ID: 5788

UniProt: [P08575](#)

Application Details

Application Notes: This antibody preparation has been pre-titrated and quality-tested for flow cytometry using an appropriate cell type. The antibody has been diluted for use at 5 µL per test, defined as the amount of antibody that will stain a cell sample in a final volume of approximately 100 µL. The number of cells within a sample should be determined empirically, but typically ranges between 1x10⁵ to 1x10⁸ cells.

Comment: 5 µL (0.25 µg)/test

Restrictions: For Research Use only

Handling

Buffer: 10 mM NaH₂PO₄, 150 mM NaCl, 0.09 % Sodium azide, 0.1 % gelatin, pH 7.2

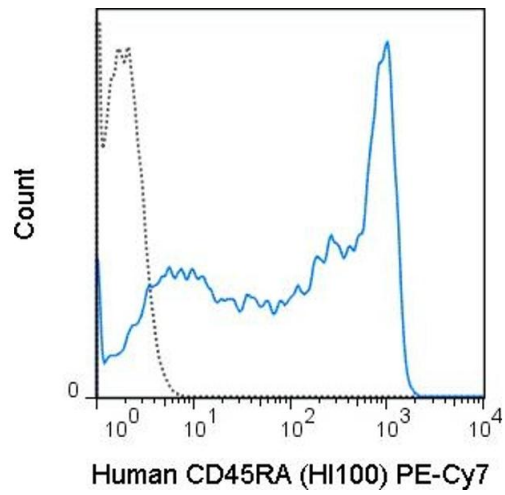
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: 2-8°C protected from light

Expiry Date: 12 months



Flow Cytometry

Image 1. Human peripheral blood lymphocytes were stained with 5 μ L (0.25 μ g) PE-Cy7 Anti-Human CD45RA (ABIN6961624) (solid line) or 0.25 μ g PE-Cy7 Mouse IgG2b isotype control (dashed line).