

CD45RA antibody [HI100] (FITC)

Cat. No. GTX01464-06

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Applications	FCM
Reactivity	Human, Chimpanzee

References (6)

Package

100 test

PRODUCT

Summary

The HI100 antibody reacts with the human CD45 isoform known as CD45RA, a protein tyrosine 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.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution

Recommended dilution

FCM

1 μ g (5 μ l) for 10^5 - 10^8 cells in 100 μ l sample per test

Not tested in other applications.

Properties

Form Liquid**Buffer** 10mM NaH₂PO₄, 150mM NaCl, 0.1% Gelatin**Preservative** 0.09% Sodium azide**Storage** Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light.**Concentration** 0.2 mg/ml (Please refer to the vial label for the specific concentration.)**Purification** Purified by affinity chromatography
From tissue culture supernatant**Conjugation** Fluorescein isothiocyanate (FITC) [Wavelength](#)

Note

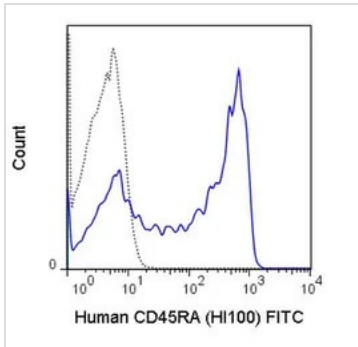
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DATA IMAGES

**GTX01464-06 FCM Image**

FACS analysis of human peripheral blood lymphocytes using GTX01464-06 CD45RA antibody [HI100] (FITC).

Solid line : primary antibody

Dashed line : isotype control

antibody amount : 1 µg (5 µl)



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