

CD45RA antibody [HI100] (Biotin)

Cat. No. GTX01464-02

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

References (6)
 Package
 100 µg

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	Assay dependent

Not tested in other applications.

Properties

Form	Liquid
Buffer	10mM NaH ₂ PO ₄ , 150mM NaCl
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	0.5 mg/ml (Please refer to the vial label for the specific concentration.)
Purification	Purified by affinity chromatography From tissue culture supernatant
Conjugation	Biotin

Note

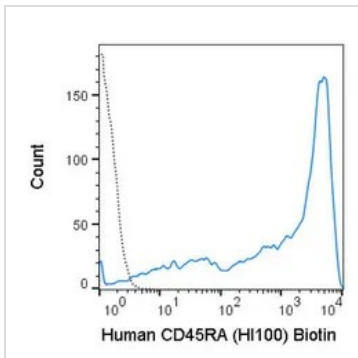
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DATA IMAGES

**GTX01464-02 FCM Image**

FACS analysis of human peripheral blood lymphocytes using GTX01464-02 CD45RA antibody [HI100] (Biotin).

Solid line : primary antibody

Dashed line : isotype control

antibody amount : 0.5 μ g (5 μ l)



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