

## 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  $\geq 220$  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  $\mu$ g (5  $\mu$ l) for  $10^5$ - $10^8$  cells in 100  $\mu$ l sample per test

Not tested in other applications.

## Properties

## Form

Liquid

## Buffer

10mM NaH<sub>2</sub>PO<sub>4</sub>, 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

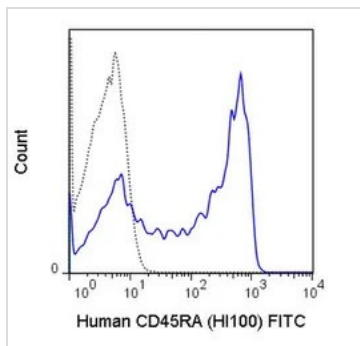
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## DATA IMAGES



### 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  $\mu$ g (5  $\mu$ l)



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