

## CD45RA antibody [HI100] (PerCP-Cy5.5)

**Cat. No. GTX01464-11**

<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2b
<b>Applications</b>	FCM
<b>Reactivity</b>	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

0.06  $\mu\text{g}$  (5  $\mu\text{l}$ ) for  $10^5$ - $10^8$  cells in 100  $\mu\text{l}$  sample per test

Not tested in other applications.

## Properties

**Form** Liquid

**Buffer** 10mM  $\text{NaH}_2\text{PO}_4$ , 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** 0.012 mg/ml (Please refer to the vial label for the specific concentration.)

**Purification** Purified by affinity chromatography  
From tissue culture supernatant

**Conjugation** Peridinin-chlorophyll proteins-Cyanine5.5 (PerCP-Cy5.5) [Wavelength](#)

## Note

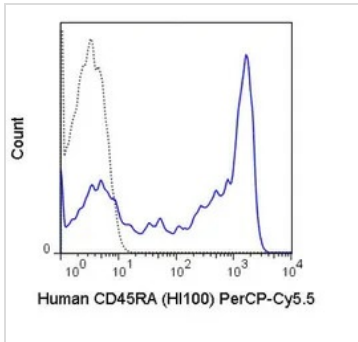
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## DATA IMAGES

**GTX01464-11 FCM Image**

FACS analysis of human peripheral blood lymphocytes using GTX01464-11 CD45RA antibody [HI100] (PerCP-Cy5.5).

Solid line : primary antibody

Dashed line : isotype control

antibody amount : 0.06  $\mu$ g (5  $\mu$ l)



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