

## CD45RA antibody [HI100] (PE-Cy7)

**Cat. No. GTX01464-10**

|                     |                   |
|---------------------|-------------------|
| <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                | 0.25 $\mu\text{g}$ (5 $\mu\text{l}$ ) for $10^5$ - $10^8$ cells in 100 $\mu\text{l}$ sample per test |

Not tested in other applications.

## Properties

|                      |  |
|----------------------|--|
| <b>Form</b>          | Liquid   |
| <b>Buffer</b>        | 10mM $\text{NaH}_2\text{PO}_4$ , 150mM NaCl, 0.1% Gelatin  |
| <b>Preservative</b>  | 0.09% Sodium azide   |
| <b>Storage</b>       | Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light. |
| <b>Concentration</b> | 0.05 mg/ml (Please refer to the vial label for the specific concentration.)  |
| <b>Purification</b>  | Purified by affinity chromatography<br>From tissue culture supernatant   |
| <b>Conjugation</b>   | Phycoerythrin-Cyanine7 (PE-Cy7) <a href="#">Wavelength</a>   |

## Note

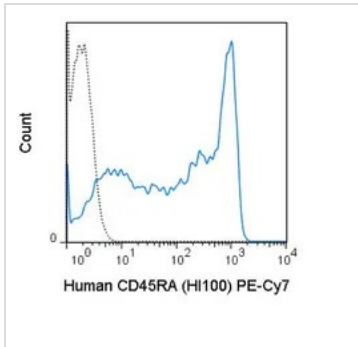
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## DATA IMAGES

**GTX01464-10 FCM Image**

FACS analysis of human peripheral blood lymphocytes using GTX01464-10 CD45RA antibody [HI100] (PE-Cy7).

Solid line : primary antibody

Dashed line : isotype control

antibody amount : 0.25  $\mu$ g (5  $\mu$ l)



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