

CD45RA antibody [HI100] (APC)

Cat. No. GTX01464-07

| | |
|---------------------|-------------------|
| 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 | 0.125 μg (5 μl) for 10^5 - 10^8 cells in 100 μl sample per test |
|-----|-------------------------------------------------------------------------------------------------------|

Not tested in other applications.

Properties

| | |
|-------------|--------|
| Form | Liquid |
|-------------|--------|

| | |
|---------------|-----------------------------------------------------------|
| Buffer | 10mM NaH_2PO_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 | 0.025 mg/ml (Please refer to the vial label for the specific concentration.) |
|----------------------|------------------------------------------------------------------------------|

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|---------------------|------------------------------------------------------------------------|
| Purification | Purified by affinity chromatography From tissue culture supernatant |
|---------------------|------------------------------------------------------------------------|

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|--------------------|--------------------------------------------------|
| Conjugation | Allophycocyanin (APC) Wavelength |
|--------------------|--------------------------------------------------|

Note

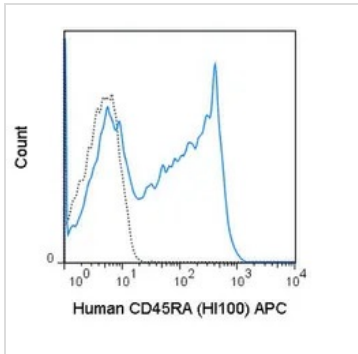
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DATA IMAGES

**GTX01464-07 FCM Image**

FACS analysis of human peripheral blood lymphocytes using GTX01464-07 CD45RA antibody [HI100] (APC).

Solid line : primary antibody

Dashed line : isotype control

antibody amount : 0.125 μ g (5 μ l)



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