

# APC Anti-Human CD45RA Monoclonal Antibody



天津三箭生物技术股份有限公司  
Tianjin Sungene Biotech Co., Ltd.  
精准 高效 稳定 Precision Efficient Stable

Catalog Number	Vial Size
H20453-11G	25 tests
H20453-11H	100 tests

<b>Market</b>	400-621-0003 marketing@sungenebiotech.com
<b>Support</b>	022-66211636-8024 techsupport@sungenebiotech.com
<b>Web</b>	www.sungenebiotech.com

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.  
This product is guaranteed up to one year from purchase.

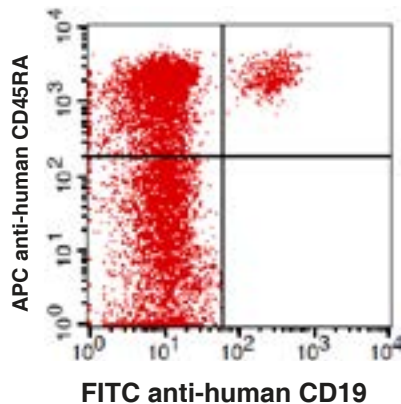
## Purified Antibody Characterization

Clone	Isotype	Reactivity
HI100	Mouse IgG2a	Human

## Description

CD45RA is a 205-220 kD single chain type I glycoprotein. It is an exon 4 splice variant of the tyrosine phosphatase CD45. The CD45RA isoform is expressed on resting/naive T cells, medullary thymocytes, B cells and monocytes. CD45RA enhances both T cell receptor and B cell receptor signaling. CD45 non-covalently associates with lymphocyte phosphatase-associated phosphoprotein (LPAP) on T and B lymphocytes. CD45 has been reported to be associated with several other cell surface antigens including CD1, CD2, CD3, and CD4. CD45 has also been reported to bind galectin-1. CD45 isoform expression can change in response to cytokines.

## Illustration of Immunofluorescent Staining



Human peripheral blood lymphocytes stained with FITC anti-human CD19 and APC anti-human CD45RA

## Product Information

**Conjugation:** APC

**Formulation:** PBS pH 7.2, 0.09% NaN<sub>3</sub>, 0.2% BSA

**Storage:** Keep as concentrated solution. Store at 4°C and protected from prolonged exposure to light. **Do not freeze.**

**Application:** Recommended Application: FC

**Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis (The amount of the reagent is suggested to be used from 20 µL to 5 µL per 100 µL of peripheral blood. Please check your vial). Since applications vary, the appropriate dilutions must be determined for individual use.

## References

- [1] Knapp, W., et al. 1989. Leucocyte Typing IV. Oxford University Press. New York.
- [2] Kishihara, K., et al. 1993. Cell 74:143.
- [3] Esser, M., et al. 2001. J. Virol. 75:6173.
- [4] Yamada, T., et al. 2002. J. Biol. Chem. 277:28830.
- [5] Nagano, M., et al. 2007. Blood 110:151.

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