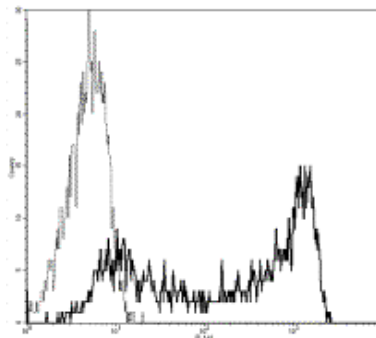


## Product Information

Contents: Affinity Purified anti-human CD45RA  
Catalog Number: 14-0458  
Sizes: 25 ug, 100 ug  
Formulation: Phosphate buffer pH 7.2,  
150 mM NaCl, 0.09% NaN<sub>3</sub>  
Storage Conditions: Store at 4°C.  
Avoid repeated freeze/thaw cycles.  
Clone: HI100  
Isotype: Mouse IgG2b, κ  
HLDA No.: IV N906



*Profile of purified mAb HI100 (CD45RA) staining on human peripheral blood lymphocytes.*

### Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
11-0458	FITC anti-human CD45RA	488	518	FC
12-0458	PE anti-human CD45RA	488	575	FC
13-0458	Biotin anti-human CD45RA	N/A	N/A	FC
14-0458	Affinity Purified anti-human CD45RA	N/A	N/A	FC IHC
15-0458	PE-Cy5 anti-human CD45RA	488	670	FC
17-0458	Coming Soon! - Allophycocyanin (APC) anti-human CD45RA	633	660	FC

### Description

The HI100 monoclonal antibody reacts with human CD45RA, a 220 kDa molecule expressed by subpopulations of CD4<sup>+</sup> peripheral T lymphocytes, CD8<sup>+</sup> peripheral T lymphocytes, and B cells. The CD45RA<sup>+</sup> T cell populations are mainly naive/virgin allowing the use of HI100 mAb as a phenotypic marker to discriminate T cell subsets.

### Usage

For research use only, not for diagnostic or therapeutic use. The HI100 antibody has been reported for use in flow cytometric analysis, and immunohistochemical staining.

### Applications Tested

The HI100 antibody has been tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at less than or equal to 0.5 µg per 100 µl blood (or per 1 million cells in 100 µl total staining volume). It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### Related Products

Cat. 11-0458 FITC anti-human CD45RA (clone HI100)  
Cat. 12-0458 PE anti-human CD45RA (clone HI100)  
Cat. 13-0458 Biotin anti-human CD45RA (clone HI100)  
Cat. 15-0458 PE-Cy5 anti-human CD45RA (clone HI100)  
Cat. 11-4011 FITC Anti-Mouse IgG  
Cat. 13-4013 Biotin Anti-Mouse IgG (clone Polyclonal)  
Cat. 11-4317 Streptavidin-FITC (Fluorescein isothiocyanate)  
Cat. 12-4317 Streptavidin-PE (Phycoerythrin)

Cat. 17-4317 Streptavidin Allophycocyanin (SA-APC)  
Cat. 14-4732 Affinity Purified Mouse IgG2b Isotype Control  
Cat. 11-9979 FITC anti-human CD45RA (clone JS-83)  
Cat. 12-9979 PE anti-human CD45RA (clone JS-83)  
Cat. 13-9979 Biotin anti-human CD45RA (clone JS-83)  
Cat. 14-9979 Affinity Purified anti-human CD45RA (clone JS-83)  
Cat. 15-9979 PE-Cy5 anti-human CD45RA (clone JS-83)

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#### References

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Knapp, W., B. Dorken, et al. eds. (1989). Leucocyte Typing IV: White Cell Differentiation Antigens. Oxford University Press. New York.

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