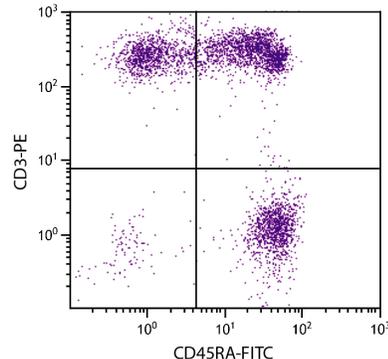




Mouse Anti-Human CD45RA

Cat. No.	Format	Size
9630-01	Purified (UNLB)	0.1 mg
9630-02	Fluorescein (FITC)	100 tests
9630-09	R-phycoerythrin (PE)	100 tests
9630-13	Spectral Red [®] (SPRD)	100 tests
9630-27	Alexa Fluor [®] 700 (AF700)	100 tests



Human peripheral blood lymphocytes were stained with Mouse Anti-Human CD45RA-FITC (SB Cat. No. 9630-02) and Mouse Anti-Human CD3-PE (SB Cat. No. 9515-09).

Overview

Clone	F8-11-13
Isotype	Mouse (BALB/c) IgG ₁ κ
Immunogen	Purified lymphocytes from human lymph nodes
Specificity	Human CD45RA; Mr 220 kDa
Alternate Name(s)	N/A
Workshop	III 010, 801; IV B59, N909; V T078

Description

CD45RA is a 220 kDa exon A-dependent isoform of CD45. It is expressed on 40-50% of CD4⁺ peripheral T cells, 50% of peripheral CD8⁺ T cells, and a portion of B lymphocytes and monocytes.

Applications

FC – Quality tested ^{1,5-7}
 IHC-FS – Reported in literature ^{2,3}
 IHC-PS – Reported in literature ^{2,3}
 IP – Reported in literature ⁴
 Purification – Reported in literature ¹

Working Dilutions

Flow Cytometry	Purified (UNLB) antibody	≤ 1 µg/10 ⁶ cells
	FITC, PE, SPRD, and AF700 conjugates	10 µL/10 ⁶ cells
	For flow cytometry, the suggested use of these reagents is in a final volume of 100 µL	

Other Applications Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.

For Research Use Only. Not for Diagnostic or Therapeutic Use.

Handling and Storage

- The purified (UNLB) antibody is supplied as 0.1 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Spectral Red[®] (SPRD) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Alexa Fluor[®] 700 (AF700) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific (M)SDS.

References

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3. Berti E, Tomasini D, Vermeer MH, Meijer CJ, Alessi E, Willemze R. Primary cutaneous CD8-positive epidermotropic cytotoxic T cell lymphomas. A distinct clinicopathological entity with an aggressive clinical behavior. *Am J Pathol.* 1999;155:483-92. (IHC-PS, IHC-FS)
4. Cappione AJ, Pugh-Bernard AE, Anolik JH, Sanz I. Lupus IgG V_H4.34 antibodies bind to a 220-kDa glycoform of CD45/B220 on the surface of human B lymphocytes. *J Immunol.* 2004;172:4298-307. (IP)
5. Lantelme E, Mantovani S, Palermo B, Campanelli R, Sallusto F, Giachino C. Kinetics of GATA-3 gene expression in early polarizing and committed human T cells. *Immunology.* 2001;102:123-30. (FC)
6. Porras F, Urrea F, Ortiz B, Martínez-Cairo S, Bouquelet S, Martínez G, et al. Isolation of the receptor for the *Amaranthus leucocarpus* lectin from human T lymphocytes. *Biochim Biophys Acta.* 2005;1724:155-62. (FC)
7. Jiménez-Martínez MC, Lascurain R, Méndez-Reguera A, Estrada-Parra S, Estrada-García I, Gorocica P, et al. O-glycosylation of NnTreg lymphocytes recognized by the *Amaranthus leucocarpus* lectin. *Clin Dev Immunol.* 2013;2013:506807. (FC)

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Spectral Red[®] is a PE/CY5 tandem conjugate.

Cy[®] is a registered trademark of GE Healthcare.

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