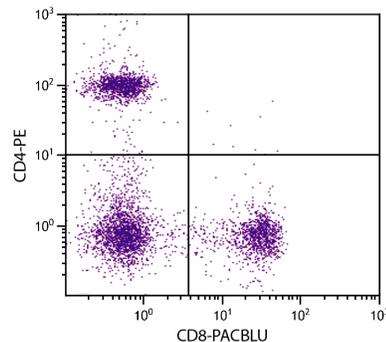




Mouse Anti-Human CD8

Cat. No.	Format	Size
9536-01	Purified (UNLB)	0.1 mg
9536-02	Fluorescein (FITC)	100 tests
9536-02S	Fluorescein (FITC)	25 tests
9536-08	Biotin (BIOT)	100 tests
9536-09	R-phycoerythrin (PE)	100 tests
9536-09S	R-phycoerythrin (PE)	25 tests
9536-10	R-phycoerythrin-Texas Red® (PE/TXRD)	100 tests
9536-11	Allophycocyanin (APC)	100 tests
9536-11S	Allophycocyanin (APC)	25 tests
9536-13	Spectral Red® (SPRD)	100 tests
9536-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg
9536-15	Cyanine 5 (CY5)	100 tests
9536-16	R-phycoerythrin-Cyanine 5.5 (PE/CY5.5)	100 tests
9536-17	R-phycoerythrin-Cyanine 7 (PE/CY7)	100 tests
9536-18	Allophycocyanin-Cyanine 5.5 (APC/CY5.5)	100 tests
9536-19	Allophycocyanin-Cyanine 7 (APC/CY7)	100 tests
9536-26	Pacific Blue™ (PACBLU)	100 tests
9536-27	Alexa Fluor® 700 (AF700)	100 tests
9536-30	Alexa Fluor® 488 (AF488)	100 tests
9536-31	Alexa Fluor® 647 (AF647)	100 tests



Human peripheral blood lymphocytes were stained with Mouse Anti-Human CD8-PACBLU (SB Cat. No. 9536-26) and Mouse Anti-Human CD4-PE (SB Cat. No. 9522-09).

Overview

Clone	RFT8
Isotype	Mouse (BALB/c) IgG _{1κ}
Immunogen	Thymocyte and E-rosetted lymphocytes
Specificity	Human CD8; Mr 33 kDa
Alternate Name(s)	Leu-2, Lyt2, Lyt3, Tp32, T8
Workshop	N/A

Description

CD8 is a 33 kDa transmembrane glycoprotein expressed as either a CD8 $\alpha\alpha$ homodimer or CD8 $\alpha\beta$ heterodimer. It is expressed on the "cytotoxic/suppressor" subpopulation of peripheral T cells. CD8 functions primarily as a coreceptor with MHC class I-restricted TCR's in antigen recognition.

Applications

FC – Quality tested ^{1,9}
 IHC-FS – Reported in literature ²⁻⁵
 IHC-PS – Reported in literature ⁶
 ICC – Reported in literature ⁷
 Depletion – Reported in literature ⁸

Working Dilutions

Flow Cytometry	Purified (UNLB) antibody	$\leq 1 \mu\text{g}/10^6$ cells
	FITC, BIOT, PE, PE/TXRD, APC, SPRD, CY5, PE/CY5.5, PE/CY7, APC/CY5.5, APC/CY7, PACBLU, AF488, AF647, and AF700 conjugates	$10 \mu\text{L}/10^6$ 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.

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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 25 tests in 0.25 mL or 100 tests in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE) and allophycocyanin (APC) conjugates are supplied as 25 tests in 0.25 mL or 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), R-phycoerythrin-Texas Red® (PE/TXRD), R-phycoerythrin-Cyanine 7 (PE/CY7), R-phycoerythrin-Cyanine 5.5 (PE/CY5.5), allophycocyanin-Cyanine 5.5 (APC/CY5.5), and allophycocyanin-Cyanine 7 (APC/CY7) conjugates are supplied as 100 tests in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. Contains no preservative; handle under aseptic conditions. Store at 2-8°C or aliquot into smaller volumes and store at -20°C. Avoid multiple freeze / thaw cycles.
- The Cyanine 5 (CY5), Pacific Blue™ (PACBLU), Alexa Fluor® 488 (AF488), Alexa Fluor® 647 (AF647), and Alexa Fluor® 700 (AF700) conjugates are 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 SDS.

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