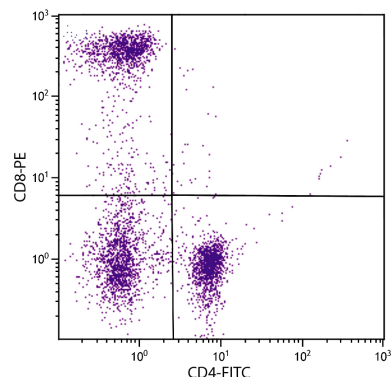




Mouse Anti-Human CD8

Cat. No.	Format	Size
9535-01	Purified (UNLB)	0.1 mg
9535-02	Fluorescein (FITC)	100 tests
9535-09	R-phycoerythrin (PE)	100 tests
9535-13	Spectral Red® (SPRD)	100 tests



Human peripheral blood lymphocytes were stained with Mouse Anti-Human CD8-PE (SB Cat. No. 9535-09) and Mouse Anti-Human CD4-FITC (SB Cat. No. 9522-02).

Overview

Clone	UCHT4
Isotype	Mouse (BALB/c) IgG _{2a} K
Immunogen	Thymocytes and Sézary T cells
Specificity	Human/Rhesus/Cynomolgus/Chimpanzee CD8; Mr 33 kDa
Alternate Name(s)	Leu-2, Lyt2, Tp32, T8
Workshop	I T39; III 567

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 ^{1,2}
 IHC-FS – Reported in literature ³⁻⁵
 IHC-PS – Reported in literature ⁶
 IP – Reported in literature ¹
 Sep – Reported in literature ²
 Block – Reported in literature ^{1,7}

Working Dilutions

Flow Cytometry	Purified (UNLB) antibody	$\leq 1 \mu\text{g}/10^6$ cells
	FITC, PE, and SPRD 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.

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!**
- 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

1. Martin PJ, Ledbetter JA, Clark EA, Beatty PG, Hansen JA. Epitope mapping of the human surface suppressor/cytotoxic T cell molecule Tp32. *J Immunol.* 1984;132:759-65. (FC, IP, Block)
2. Satyaraj E, Rath S, Bal V. Induction of tolerance in freshly isolated alloreactive T cells by activated T cell stimulators is not due to the absence of CD28-B7 interaction. *J Immunol.* 1995;155:4669-75. (FC, Sep)
3. Dogan A, Dunn-Walters DK, MacDonald TT, Spencer J. Demonstration of local clonality of mucosal T cells in human colon using DNA obtained by microdissection of immunohistochemically stained tissue sections. *Eur J Immunol.* 1996;26:1240-5. (IHC-FS)
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5. Loginov R, Halme L, Arola J, Höckerstedt K, Lautenschlager I. Intra-graft immunological events associated with EBV DNAemia in liver transplant patients. *APMIS.* 2010;118:888-94. (IHC-FS)
6. Martin AP, Ortiz S, Cabalier ME, Frede S, Burgos E, Hliba E, et al. Vascular endothelium express CS-1 fibronectin in allergic contact dermatitis. *J Cutan Pathol.* 2002;29:347-53. (IHC-PS)
7. Olsson T, Bakhiet M, Höjeberg B, Ljungdahl Å, Edlund C, Andersson G, et al. CD8 is critically involved in lymphocyte activation by a T. brucei brucei-released molecule. *Cell.* 1993;72:715-27. (Block)

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

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