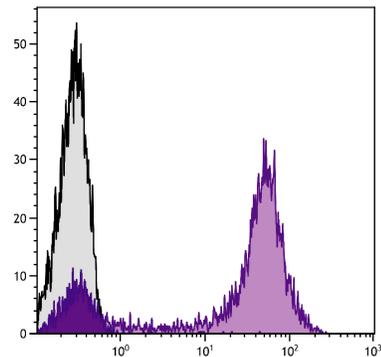




## Mouse Anti-Human CD5

Cat. No.	Format	Size
9526-01	Purified (UNLB)	0.1 mg
9526-02	Fluorescein (FITC)	100 tests
9526-02S	Fluorescein (FITC)	25 tests
9526-08	Biotin (BIOT)	100 tests
9526-09	R-phycoerythrin (PE)	100 tests
9526-09S	R-phycoerythrin (PE)	25 tests
9526-11	Allophycocyanin (APC)	100 tests
9526-11S	Allophycocyanin (APC)	25 tests
9526-13	Spectral Red <sup>®</sup> (SPRD)	100 tests
9526-26	Pacific Blue <sup>™</sup> (PACBLU)	100 tests
9526-31	Alexa Fluor <sup>®</sup> 647 (AF647)	100 tests



Human peripheral blood lymphocytes were stained with Mouse Anti-Human CD5-PE (SB Cat. No. 9526-09).

### Overview

<b>Clone</b>	UCHT2
<b>Isotype</b>	Mouse (BALB/c) IgG <sub>1</sub> κ
<b>Immunogen</b>	Thymocytes and Sézary T cells
<b>Specificity</b>	Human/ Rhesus/Cynomolgus/Chimpanzee CD5; Mr 67 kDa
<b>Alternate Name(s)</b>	Leu-1, Ly-1, T1, Tp67
<b>Workshop</b>	I T4; III 094, 518

### Description

CD5, a member of the scavenger receptor superfamily of cell surface receptors, is a type I transmembrane glycoprotein whose ligand is CD72. It is expressed on most thymocytes, all mature T cells, and a subset of B cells. CD5 plays a role in regulation of T cell activation and signaling.

### Applications

FC – Quality tested <sup>2</sup>  
 IHC-FS – Reported in literature <sup>3</sup>  
 IP – Reported in literature <sup>1</sup>  
 WB – Reported in literature <sup>2</sup>

### Working Dilutions

<b>Flow Cytometry</b>	Purified (UNLB) antibody	≤ 1 μg/10 <sup>6</sup> cells
	FITC, BIOT, PE, APC, SPRD, PACBLU, and AF647 conjugates	10 μL/10 <sup>6</sup> 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

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- 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/NaN<sub>3</sub>. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN<sub>3</sub>. 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/NaN<sub>3</sub> and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Spectral Red<sup>®</sup> (SPRD) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN<sub>3</sub> and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Alexa Fluor<sup>®</sup> 647 (AF647) and Pacific Blue<sup>™</sup> (PACBLU) conjugates are supplied as 100 tests in 1.0 mL of PBS/NaN<sub>3</sub>. 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

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

## References

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1. Davies AA, Ley SC, Crumpton MJ. CD5 is phosphorylated on tyrosine after stimulation of the T-cell antigen receptor complex. Proc Natl Acad Sci USA. 1992;89:6368-72. (IP)
2. Renaudineau Y, Hillion S, Saraux A, Mageed RA, Youinou P. An alternative exon 1 of the CD5 gene regulates CD5 expression in human B lymphocytes. Blood. 2005;106:2781-9. (WB, FC)
3. Kap YS, van Meurs M, van Driel N, Koopman G, Melief M, Brok HP, et al. A monoclonal antibody selection for immunohistochemical examination of lymphoid tissues from non-human primates. J Histochem Cytochem. 2009;57:1159-67. (IHC-FS, Chimpanzee, Rhesus, Cynomolgus Reactivity)

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Spectral Red<sup>®</sup> is a PE/CY5 tandem conjugate.

Cy<sup>®</sup> is a registered trademark of GE Healthcare.

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