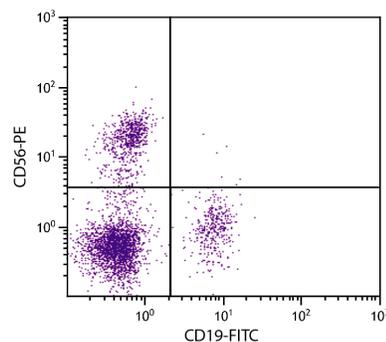




## Mouse Anti-Human CD56

Cat. No.	Format	Size
9456-01	Purified (UNLB)	0.1 mg
9456-02	Fluorescein (FITC)	100 tests
9456-02S	Fluorescein (FITC)	25 tests
9456-08	Biotin (BIOT)	100 tests
9456-09	R-phycoerythrin (PE)	100 tests
9456-09S	R-phycoerythrin (PE)	25 tests
9456-13	Spectral Red® (SPRD)	100 tests
9456-16	R-phycoerythrin-Cyanine 5.5 (PE/CY5.5)	100 tests
9456-26	Pacific Blue™ (PACBLU)	100 tests
9456-27	Alexa Fluor® 700 (AF700)	100 tests
9456-30	Alexa Fluor® 488 (AF488)	100 tests



Human peripheral blood lymphocytes were stained with Mouse Anti-Human CD56-PE (SB Cat. No. 9456-09) and Mouse Anti-Human CD19-FITC (SB Cat. No. 9340-02).

### Overview

<b>Clone</b>	MEM 188
<b>Isotype</b>	Mouse IgG <sub>2a</sub> K
<b>Immunogen</b>	Acute myelogenous leukemia cell line KG-1
<b>Specificity</b>	Human/Porcine CD56; Mr 175-220 kDa
<b>Alternate Name(s)</b>	NCAM, neural cell adhesion molecule, Leu-19, NKH1
<b>Workshop</b>	VI NK26, A055; VII 70077

### Description

CD56, an isoform of the neural cell adhesion molecule (NCAM), is a heavily glycosylated type I transmembrane protein. On human hematopoietic cells its expression is restricted to NK cells and a subpopulation of T lymphocytes (known as large granular lymphocytes) which demonstrate natural killer activity. While it is clear that NCAM plays a role in homotypic adhesion of neuronal cells, the significance of CD56 expression on NK cells is not clear and remains controversial.

### Applications

FC – Quality tested <sup>1,6-9</sup>  
 IHC-FS – Reported in literature <sup>1</sup>  
 ICC – Reported in literature <sup>2</sup>  
 Sep – Reported in literature <sup>3,4</sup>  
 Block – Reported in literature <sup>5</sup>

### Working Dilutions

<b>Flow Cytometry</b>	Purified (UNLB) antibody	≤ 1 µg/10 <sup>6</sup> cells
	FITC, BIOT, PE, SPRD, PE/CY5.5, PACBLU, AF488, and AF700 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.**

## 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) conjugate is 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) and R-phycoerythrin-Cyanine 5.5 (PE/CY5.5) conjugates are 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> 488 (AF488), Alexa Fluor<sup>®</sup> 700 (AF700), 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 (M)SDS.

## References

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8. Dimova T, Mihaylova A, Spassova P, Georgieva R. Superficial implantation in pigs is associated with decreased numbers and redistribution of endometrial NK-cell populations. *Am J Reprod Immunol.* 2008;59:359-69. (FC, Porcine 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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