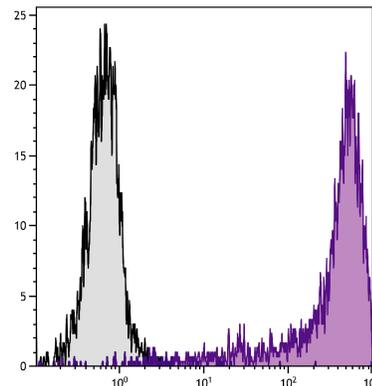




## Mouse Anti-Human CD14

Cat. No.	Format	Size
9561-01	Purified (UNLB)	0.1 mg
9561-02	Fluorescein (FITC)	100 tests
9561-02S	Fluorescein (FITC)	25 tests
9561-08	Biotin (BIOT)	100 tests
9561-09	R-phycoerythrin (PE)	100 tests
9561-09S	R-phycoerythrin (PE)	25 tests
9561-11	Allophycocyanin (APC)	100 tests
9561-11S	Allophycocyanin (APC)	25 tests
9561-13	Spectral Red® (SPRD)	100 tests
9561-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg
9561-16	R-phycoerythrin-Cyanine 5.5 (PE/CY5.5)	100 tests
9561-17	R-phycoerythrin-Cyanine 7 (PE/CY7)	100 tests
9561-18	Allophycocyanin-Cyanine 5.5 (APC/CY5.5)	100 tests
9561-19	Allophycocyanin-Cyanine 7 (APC/CY7)	100 tests
9561-26	Pacific Blue™ (PACBLU)	100 tests
9561-27	Alexa Fluor® 700 (AF700)	100 tests
9561-30	Alexa Fluor® 488 (AF488)	100 tests
9561-31	Alexa Fluor® 647 (AF647)	100 tests



Human peripheral blood monocytes were stained with Mouse Anti-Human CD14-PE/CY5.5 (SB Cat. No. 9561-16).

### Overview

<b>Clone</b>	61D3
<b>Isotype</b>	Mouse (BALB/c) IgG <sub>1κ</sub>
<b>Immunogen</b>	Human peripheral monocytes
<b>Specificity</b>	Human/Cynomolgus/Canine/Hooded Seal CD14; Mr 55 kDa
<b>Alternate Name(s)</b>	LPS-R, LPS receptor, gp55
<b>Workshop</b>	N/A

### Description

CD14 is a 55 kDa glycosphosphatidylinositol (GPI)-anchored single chain glycoprotein. It is expressed on monocytes, macrophages, dendritic cells, and Langerhans cells. It is also weakly expressed on neutrophils. CD14 appears to be involved in clearance of gram-negative bacteria via its high affinity binding to LPS-LPB complexes.

### Applications

FC – Quality tested <sup>3,6-8</sup>  
 IHC-FS – Reported in literature <sup>4</sup>  
 ICC – Reported in literature <sup>3,5</sup>  
 WB – Reported in literature <sup>3</sup>  
 ELISA – Reported in literature <sup>3</sup>  
 Cyto – Reported in literature <sup>1</sup>  
 Block – Reported in literature <sup>2,3</sup>  
 Sep – Reported in literature <sup>9</sup>

### Working Dilutions

<b>Flow Cytometry</b>	Purified (UNLB) antibody	≤ 1 μg/10 <sup>6</sup> cells
	FITC, BIOT, PE, APC, SPRD, PE/CY5.5, PE/CY7, APC/CY5.5, APC/CY7, PACBLU, AF488, AF647, 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) 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 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 Spectral Red® (SPRD), R-phycoerythrin-Cyanine 5.5 (PE/CY5.5), R-phycoerythrin-Cyanine 7 (PE/CY7), 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/NaN<sub>3</sub> and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Alexa Fluor® 488 (AF488), Alexa Fluor® 647 (AF647), Alexa Fluor® 700 (AF700), and Pacific Blue™ (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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Spectral Red® is a PE/CY5 tandem conjugate.

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