

# SouthernBiotech

## Mouse Anti-Human CD11c

Cat. No.	Form	Quantity
9551-01	Purified (UNLB) Antibody	0.1 mg
9551-02	Fluorescein (FITC) Conjugate	100 tests
9551-08	Biotin (BIOT) Conjugate	0.1 mg
9551-09	*R-phycoerythrin (R-PE) Conjugate	100 tests

### DESCRIPTION

<b>Clone</b>	3.9
<b>Ig Isotype</b>	Mouse IgG <sub>1</sub>
<b>Specificity</b>	Human CD11c

CD11c is a 150 kDa adhesion glycoprotein that associates with  $\beta_2$  integrin to form the CD11c/CD18 heterodimer that binds CD54 (ICAM-1) and fibrinogen. It is expressed on NK cells, a subset of B and T cells, granulocytes, monocytes, and macrophages. It functions in cytotoxic T cell killing and in neutrophil and monocyte adhesion to endothelium.<sup>1-6</sup>

### RESEARCH APPLICATIONS

- Flow cytometry
- Immunohistochemistry (frozen sections)

### CHARACTERIZATION

To insure lot to lot consistency, each batch of product is tested by flow cytometry to conform to the characteristics of a standard reference reagent.

### WORKING DILUTIONS

<b>Flow Cytometry:</b>	Purified (UNLB) antibody	$\leq 1 \mu\text{g}/10^6$ cells
	Fluorescein conjugate	$20 \mu\text{L}/10^6$ cells
	Biotin conjugate	$\leq 1 \mu\text{g}/10^6$ cells
	R-phycoerythrin conjugate	$20 \mu\text{L}/10^6$ cells

**Other Applications:** Since applications vary, you should determine the optimum working dilution of the product that is appropriate for your specific need.

***For Research Purposes Only. Not for Use in Diagnostic or Therapeutic Applications.***

## HANDLING AND STORAGE

- The purified (UNLB) antibody is supplied as 0.1 mg purified immunoglobulin in 0.2 mL of phosphate buffered saline containing 0.1% PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 100 tests in 2.0 mL of PBS/NaN<sub>3</sub> and a stabilizing agent. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.1 mL in 0.2 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The R-phycoerythrin (R-PE) conjugate is supplied as 100 tests in 2.0 mL of PBS/NaN<sub>3</sub> and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- Protect conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

## WARNING

Reagents contain sodium azide which is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

## REFERENCES

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3. Davis, G.E. 1992. *Exp. Cell. Res.* 200:242.
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5. Hogg, N. 1986. *Eur. J. Immunol.* 16:240.
6. Larson, R.S., and T.A. Springer. 1990. *Immunol. Rev.* 114:181.

\*US Patent No. 4,520,110; European Patent No. 76,695; and Canadian Patent No. 1,179,942.