## PERFORMANCE DATA SHEET 2735 Monoclonal anti-human CD11c\*



*mAb name/Clone:* **3.9** *Isotype:* Mouse IgG1 *Immunogen:* Human rheumatoid synovial fluid cells/monocytes

## CATALOG#: 160-020 QUANTITY: 100 µg

## **CONCENTRATION: 1.0 mg/ml**

**INFORMATION:** Human CD11c ( $a^{X}$  integrin) complexes with CD18 ( $\beta$ 2 integrin) to form the complement receptor type 4 (CR4) heterodimer which binds to fibrinogen and is involved with monocyte/granulocyte adhesion during inflammatory responses. CD11c expression is restricted to leukocytes mainly of myeloid lineage with highest expression on macrophages. Antibody 3.9 recognizes the integrin alpha X subunit (CD11c) of about 150 kd.

*References:* N. Hogg, et al, (1986) Eur J Immunol **16**: 240-248. S.A. Stacker & T.A. Springer, (1991) J Immunol **146**: 648-655. M. Patarroyo, (1994) Immunobiology **191**: 474-477. Leukocyte Typing V (1995) (S.F. Schlossman, et al., eds.) Oxford University Press, Oxford, p. 1590-1592.

**STORAGE CONDITIONS:** Store at 2 - 5<sup>o</sup>C. Freeze/Thawing is not recommended.

**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:\_\_\_\_\_

**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

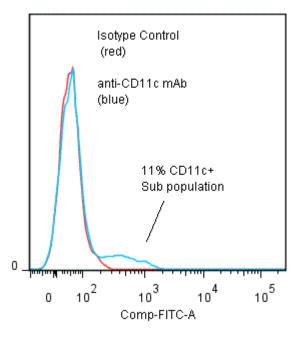
**PRODUCTION:** Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE with less than

1% Bovine Immunoglobulin.

**PERFORMANCE:** Five x  $10^5$  ficoll prepared human **peripheral blood mononuclear cells** per tube were washed and pre incubated 5 minutes with 20 µl of 250 µg/ml human IgG (To block non specific binding) after which they were incubated 45 minutes on ice with 80 µl of anti-CD11c antibody at **10 µg/ml**. Cells were washed twice and incubated with 50 µl of  $2^{\circ}$  reagent Goat anti-Mouse IgG/FITC (Catalog #232-011), after which they were washed three times, fixed and analyzed by FACS. An **11%** sub population of cells stained positive with a mean shift of **1.06** log<sub>10</sub> fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010).

Research Use Only. Not for use in Diagnostic procedures.

## Binding of anti-CD11c mAb +GAM/FITC to human PBMC



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