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 (β 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^oC. 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).

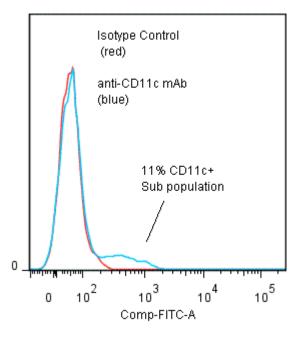
PRODUCTION: Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE with less than

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° 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** log₁₀ 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



Ancell Corporation P.O. Box 87 Bayport, MN 55003-0087 USA Phone: Toll free 800-374-9523 or 651-439-0835 Fax: 651-439-1940