

PERFORMANCE DATA SHEET

2944

Monoclonal anti- human CD11c*

mAb name/Clone: 3.9

Isotype: Mouse IgG1

Immunogen: Human rheumatoid synovial fluid cells/monocytes

CATALOG#: 160-820 (Preservative Free)

QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

INFORMATION: Human CD11c (α^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°C. *Open under aseptic conditions.* 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.

PRODUCTION: Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE and contains less than 1% Bovine Immunoglobulin. Product was 0.2 µm filtered and vialled under aseptic conditions.

PERFORMANCE: Five x 10⁵ 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^o 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

