

**PERFORMANCE DATA SHEET**

3126

**Monoclonal anti-human CD11b (CR3, Mac-1, integrin  $\alpha^M$ )\***

**mAb name/Clone:** ICRF44

**Isotype:** Mouse IgG1

**Immunogen:** Human Monocytes

**CATALOG#:** 159-820 (Preservative Free)

**QUANTITY:** 100  $\mu$ g

**CONCENTRATION:** 1.0 mg/ml

**INFORMATION:** Human CD11b ( $\alpha^M$  integrin) complexes with CD18 ( $\beta_2$  integrin) to form the complement receptor type 3 (CR3) heterodimer which binds to ICAM-1, fibrinogen, C3b, and coagulation factor X. CD11b expression is restricted to leukocytes, mainly to myeloid and NK cells. Antibody ICRF44 recognizes the integrin alpha M subunit CD11b of about 165 kd. Antibody ICRF44 blocks homotypic neutrophil and monocyte (FMLP induced) aggregation.

**References:** V. Mathotra, et al, (1986) Eur J Immunol **16**: 1117-1123. B.L. Myones, et al, (1988) J Clin Invest **82**: 640-651. Leukocyte Typing IV (W. Knapp, et al, eds.) Oxford University Press, Oxford, (1989) p. 555-558, 560-562. H.R. Petty & R.F. Todd, (1993) J Leuk Biol **54**: 492-494. Leukocyte Typing V (S. F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 1588-1590.

**STORAGE CONDITIONS:** Store at 2 - 5°C. Freeze/Thawing is not recommended.

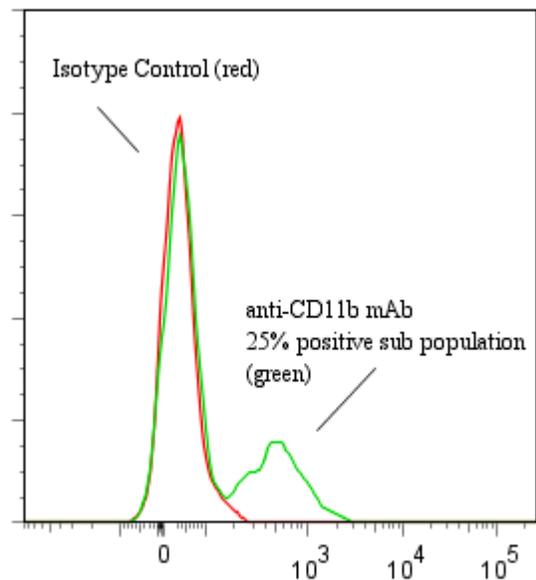
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: \_\_\_\_\_

**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl.

**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 $\mu$  sterile filtered and vialled under aseptic conditions.

**PERFORMANCE:** Five x 10<sup>5</sup> ficoll prepared **human peripheral blood mononuclear cells** were washed and preincubated with 20  $\mu$ l of 300 $\mu$ g/ml human IgG (to block non specific binding) after which they were incubated 45 minutes on ice with 80  $\mu$ l of anti-CD11b antibody at a concentration of **10  $\mu$ g/ml**. Cells were washed twice and incubated with 2<sup>o</sup> reagent Goat anti-Mouse IgG/FITC (Catalog #232-011), after which they were washed three times, fixed and analyzed by FACS. A **25%** sub population of the cells stained positive with a mean shift of **1.22 log<sub>10</sub>** fluorescent units when compared to a Mouse IgG1 negative control (Catalog # 278-010) at a similar concentration.

**Binding of anti-CD11b mAb + GAM/FITC to human PBMC**



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