## PERFORMANCE DATA SHEET

3320

## Monoclonal anti-human CD11a/R-PE\*

Clone: 38

Isotype: Mouse IgG2a

Immunogen: Human Monocytes

CATALOG#: 158-050

QUANTITY: 120 tests

VOLUME IN VIAL: 0.2 ml

WORKING DILUTION: 1:50 (or use 1.6μl of concentrated stock per 5 x 10<sup>5</sup>-cell test)

**INFORMATION:** Human CD11a (αL integrin) complexes with CD18 (α<sub>2</sub> integrin) to form the LFA-1 heterodimer adhesion molecule which binds to three ICAM's 1, 2, and 3, also designated CD54, CD102, and CD50 respectively. LFA-1 is expressed on lymphocytes, monocytes and neutrophils and plays a role in cell-cell adhesion. *References:* I. Dransfield & N. Hogg, (1989) EMBO J 12: 3759-3765. Leukocyte Typing V (S.F. Schlossman,et al, eds.) Oxford University Press, Oxford, (1995) p. 1581-1592. R.C. Landis, et al, (1994) J Cell Biol **126**: 529-537. C.L. Holness, et al, (1995) J Biol Chem **270**: 877-884.

**STORAGE CONDITIONS:** *Store at 2 - 5<sup>o</sup>C*. Do not freeze! Protect from light.

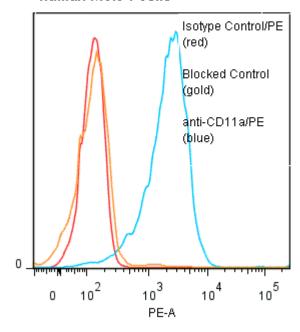
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:\_\_\_\_\_

**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.3% BSA, 0.04% NaN<sub>3</sub> (as a preservative).

**PRODUCTION:** Protein A purified antibody from tissue culture supernatant was conjugated to R-Phycoerythrin through a sulfo-ester linkage. Unconjugated antibody was removed using size exclusion chromatography. Antibody conjugate is at **0.5 mg/ml** with an OD<sub>565</sub>/OD<sub>280</sub> ratio of 3.0.

**PERFORMANCE:** Five x  $10^5$  cultured **Molt-4** human tumor cells were washed and incubated 45 minutes on ice with 80  $\mu$ l of product at a **1:50** dilution ( $10\mu$ g/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.37**  $\log_{10}$  fluorescent units when compared to a Mouse IgG2a/R-PE negative control (Catalog # 281-050).

## Binding of anti-CD11a/PE to human Molt-4 cells



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<sup>\*</sup> Research Use Only. Not for use in Diagnostic procedures.