

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 10⁵-cell test)

INFORMATION: Human CD11a (α_L integrin) complexes with CD18 (α_2 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°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% NaN₃ (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 OD₅₆₅/OD₂₈₀ ratio of 3.0.

PERFORMANCE: Five x 10⁵ cultured Molt-4 human tumor cells were washed and incubated 45 minutes on ice with 80 µl of product at a 1:50 dilution (10µg/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 1.37 log₁₀ fluorescent units when compared to a Mouse IgG2a/R-PE negative control (Catalog # 281-050).

* *Research Use Only. Not for use in Diagnostic procedures.*

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

