## PERFORMANCE DATA SHEET

2045

## Ancell

## Monoclonal anti-human CD54 (ICAM-1) Domain D1\*

*mAb name/Clone*: 15.2 *Isotype*: Mouse IgG1κ

Immunogen: Human monocytes

CATALOG#: 205-820

QUANTITY: 100 μg (Preservative Free) CONCENTRATION: 1.0 mg/ml

**INFORMATION:**Human CD54 (ICAM-1) mediates cell adhesion by binding to the integrins CD11a/CD18 (LFA-1) and to CD11b/CD18 (Mac-1). CD54 expression on resting peripheral blood leukocytes is weak but is upregulated on activated T and B lymphocytes and on monocytes. Antibody 15.2 recognizes the D1 domain of the CD54 molecule of 90 kd. Antibody 15.2 inhibits CD54 binding to LFA-1.

**References:** A.R. Berendt, et al, (1992) Cell **68:** 71-81. I. Dransfield, et al, (1992) J Cell Biol **116:** 1527-1535. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 1548-1550. P.L. Reilly, et al, (1995) J Immunol **155:** 529-532.

**STORAGE CONDITIONS:** *Store at 2 - 5<sup>o</sup>C. Open under aseptic conditions.* Freeze/Thawing is not recommended.

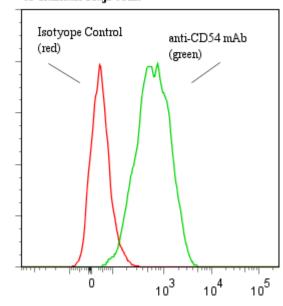
**PRODUCT STABILITY:** Product should retain activity for at least 6 months after shipping date when stored as recommended. Ship Date:\_\_\_\_\_

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl. Product was  $0.1~\mu m$  filtered and vialed under aseptic conditions.

**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  $10^5$  cultured **Raji** cells were incubated 45 minutes on ice with 80  $\mu$ l of anti-CD54 antibody at 5  $\mu$ g/ml. Cells were washed twice and incubated with  $2^0$  reagent Goat anti-Mouse IgG/FITC (Catalog #232-011), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.22**  $\log_{10}$  fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010).

## Binding of anti-CD54 mAb +GAM/FITC to human Raji cells



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