**PERFORMANCE DATA SHEET**
**1817**

# *Monoclonal* anti-human CD54(ICAM-1) Domain D2*

***mAb name/Clone:*** **8.4A6**
***Isotype:*** Mouse IgG1
***Immunogen:*** Human endothelial cells

**CATALOG#: 206-820 (Preservative-free)**
**QUANTITY: 100 µg** **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 monocytes. Antibody 8.4A6 recognizes the D2 domain of the CD54 molecule of 90 kd. Antibody 8.4A6 inhibits CD54 binding to LFA-1.
***References:*** A.R. Berendt, et al, (1992) Cell **68**: 71-81. 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°C.*** **Open under aseptic conditions.** Freeze/Thawing is not recommended.

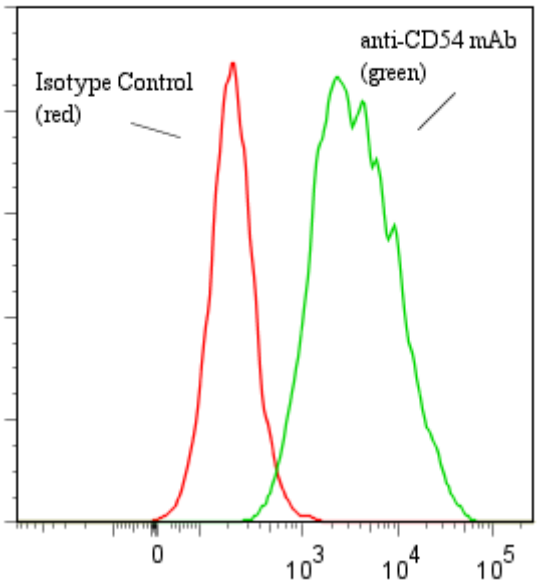
**PRODUCT STABILITY:** Product should retain activity for at least 6 months after shipping date when stored as recommended. Ship Date:_____

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

**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 vialed under aseptic conditions.

**PERFORMANCE:** Five x $10^5$ cultured **Raji** human tumor cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD54 antibody at a concentration of **5 µg/ml**. Cells were washed twice and incubated with 2° 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 **1.94** $\log_{10}$ fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010).

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




****This Product is intended for Laboratory Research use only.***

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