

**PERFORMANCE DATA SHEET**

2129

**Monoclonal anti-human CD62E (E-selectin)/R-PE\***

**mAb name/Clone:** HAE-1f

**Isotype:** Mouse IgG1

**Immunogen:** TNF activated HUVEC

**CATALOG#:** 240-050

**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 CD62E (E-selectin) is an adhesion molecule expressed on activated endothelium and facilitates recruitment of leukocytes to sights of acute inflammation and immunological events. CD62E has affinity to Lewis<sup>x</sup> (1). Antibody HAE-1f recognizes the lectin domain of CD62E (2). Antibody HAE-1f blocks the function of CD62E.

**References:** (1). T.P. Kogan, et al, (1995) J Biol Chem 270: 14047-14055. (2). L. Tu, et al, (1996) J Immunol 157: 3995-4004. (3). Leukocyte Typing VI (T. Kishimoto, et al, eds.) Garland Publishing, Inc., New York (1997) p. 416-419.

**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, 0.2% 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 A<sub>565</sub>/A<sub>280</sub> ratio of 3.19.

**PERFORMANCE:** Cultured **human umbilical cord vein endothelial cells (HUVEC)** were stimulated 4 hours with 10 ng/ml Phorbol 12-Myristate 13-Acetate. Five x 10<sup>5</sup> cells per tube were harvested, washed and incubated 45 minutes on ice with 80 µl of anti-CD62E/R-PE at a **1:50** dilution (10 µg/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.44 log<sub>10</sub>** fluorescent units when compared to a Mouse IgG1/R-PE negative control (Catalog #278-050) at a similar concentration. Binding was blocked when pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD62E antibody (Catalog #240-020).

\* **Research Use Only. Not for use in Diagnostic procedures.**  
R-Phycoerythrin (R-PE) is covered under patents: U.S. 4,520,110; European 76,695 and Canadian 1,179,942.

**Binding of anti-CD62E/PE to stimulated HUVEC cells**

