

## PERFORMANCE DATA SHEET

1817

# Monoclonal anti-human CD62E (E-selectin)/FITC\*

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

**Isotype:** Mouse IgG1

**Immunogen:** TNF activated HUVEC

**CATALOG#:** 240-040

**QUANTITY:** 120 tests

**VOLUME IN VIAL:** 0.2ml

**WORKING DILUTION:** 1:50 (or use 1.6µl of concentrated stock per  $5 \times 10^5$ -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. Freeze/Thawing is not recommended. Protect from light.

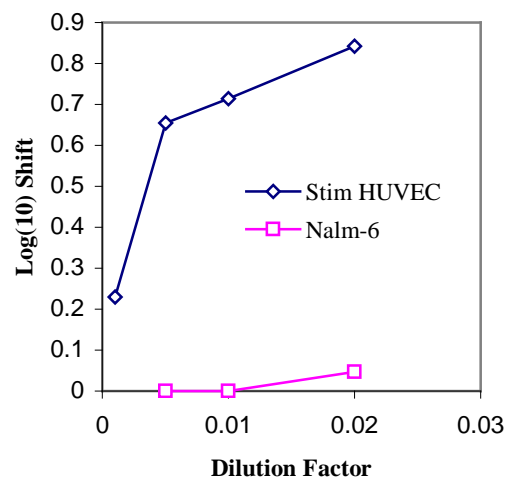
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: \_\_\_\_\_

**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN<sub>3</sub> (as a preservative).

**PRODUCTION:** Protein A purified antibody from tissue culture supernatant was reacted with FITC. Unconjugated FITC was separated from antibody/FITC conjugate by desalting column. The antibody/FITC conjugate is at 1.0 mg/ml with a Fluorescein/IgG molar ratio of 6.7.

**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 by EDTA method, washed and incubated 45 minutes on ice with 80 µl of anti-CD62E/FITC at a 1:50 dilution factor (20 µg/ml). They were then washed three times, fixed and analyzed by FACS. A net 64% population of the cells stained positive with a mean shift of 0.84 log<sub>10</sub> fluorescent units when compared to a Mouse IgG1/FITC negative control (Catalog #278-040) at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD62E antibody (Catalog #240-020).

Binding of anti-CD62E to human cell types



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

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