

PERFORMANCE DATA SHEET

2317

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 1.6ul of concentrated stock per 5×10^5 -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^X (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% Na₃ (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 0.5 mg/ml with a Fluorescein/IgG molar ratio of 6.1.

PERFORMANCE Cultured human umbilical cord vein endothelial cells (HUVEC) were stimulated 4 hours with 10 ng/ml Phorbol 12-Myristate 13-Acetate. Five x 10⁵ cells per tube were harvested by EDTA method, washed and incubated 45 minutes on ice with 80 ul of anti-CD62E/FITC at a 1:50 dilution factor (10 ug/ml). They were then washed twice, fixed and analyzed by FACS. A net 64% population of the cells stained positive with a mean shift of 0.47 log₁₀ fluorescent units when compared to a Mouse IgG1/FITC negative control (Catalog #278-040). Binding was blocked when cells were pre incubated 10 minutes with 20 ul of 0.5 mg/ml anti-CD62E antibody (Catalog #240-020).

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

Binding of anti-CD62E/FITC to stimulated HUVEC

