

PERFORMANCE DATA SHEET
2009

Monoclonal anti-human CD62E (E-selectin)/Biotin *

mAb name/Clone: HAE-1f

Isotype: Mouse IgG1

Immunogen: TNF activated HUVEC

CATALOG#: 240-030

QUANTITY: 100 µg

CONCENTRATION: 0.5 mg/ml

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 not recommended.

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: Antibody from (low FBS containing) tissue culture supernatant was Protein A purified to >95% mouse immunoglobulin by SDS-PAGE (<1% bovine immunoglobulin), and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate using a desalting column.

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, washed and incubated 45 minutes on ice with 80 µl of anti-CD62E/Biotin at 10 µg/ml. Cells were washed twice and incubated with 2^o reagent Streptavidin/R-PE (Catalog #253-050) after which they were washed three times, fixed and analyzed by FACS. A net 62% sub population of the cells stained positive with a mean shift of 1.0 log₁₀ fluorescent units when compared to a Mouse IgG1/Biotin negative control (Catalog #278-030). Binding was blocked when cells were 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.**

Binding of anti-CD62E/Biotin +SA/PE to stimulated HUVEC

