

PERFORMANCE DATA SHEET

1818

Monoclonal anti-human CD62L (L-selectin)/Biotin*

mAb name/Clone: LAM1-116

Isotype: Mouse IgG2ak

Immunogen: Mouse pre-B cells expressing human L-selectin

CATALOG#: 261-030

QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

INFORMATION: Human CD62L is an adhesion molecule found on most leukocytes and plays a primary role in mediating initial leukocyte interaction with activated vascular endothelium (1). Human CD62L has signal transduction functions where engagement leads to increased calcium levels and upregulated expression of certain integrins (2). Antibody LAM1-116 recognizes the lectin binding domain of CD62L (2). Antibody LAM1-116 blocks CD62L function and induces expression of beta-1 and beta-2 integrins (1).

References: (1). T.A. Springer, (1995) Annu Rev Physiol 57: 827-872. (2). D.A. Steeber, et al, (1997) J Immunol 159: 952-963. (3). Leukocyte Typing VI (T. Kishimoto, et al, eds.) Garland Publishing, Inc., New York (1997) p. 420-424.

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% NaN₃ (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: Five x 10⁵ cultured human **Raji** cells per tube were washed and incubated 45 minutes on ice with 80 µl of anti-CD62L/Biotin at a concentration of **5 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. Cells stained positive with a mean shift of **1.72 log₁₀** fluorescent units when compared to a Mouse IgG2a/Biotin negative control (Catalog #281-030). Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD62L antibody (Catalog #261-020).

**Research use only. Not for use in Diagnostic procedures.*

Binding of anti-CD62L/Biotin + SA/PE to human Raji cells

