PERFORMANCE DATA SHEET
3247

Monoclonal anti-human CD106(VCAM-1)*

mAb name/Clone: **1.G11B1**
Isotype: Mouse IgG1
Immunogen: Human endothelial cells

CATALOG#: 327-020
QUANTITY: 100 µg **CONCENTRATION: 1.0 mg/ml**

INFORMATION: Human CD106 is an endothelial adhesion molecule that binds to $\alpha_4\beta1$ & $\alpha_4\beta7$ integrins (VLA-4) and promotes adhesion of lymphocytes, monocytes, eosinophils and basophils. CD106 is also found on follicular dendritic cells, interdigitating recticulum cells and Kupffer cells. Antibody 1.G11B1 recognizes the VCAM-1 molecule (CD106) and blocks leukocyte adhesion.
References: M.H. Thornhill, D.O. Haskard, (1991) J Immunol **146**: 592-598. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 1764-1767. M. Nagata, et al, (1995) J Immunol **155**: 2194-2202. H.E. Chuluyan, et al, (1995) J Immunol **155**: 3135-314.

STORAGE CONDITIONS: ***Store at 2 - 5°C***. Freeze/Thawing is not recommended.

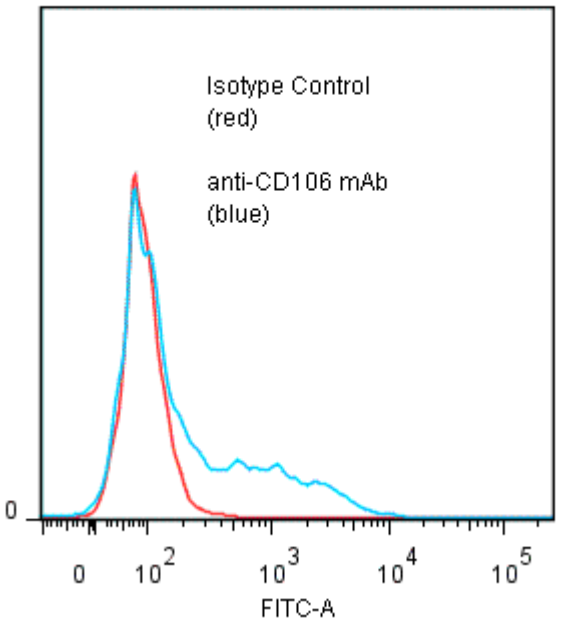
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

PRODUCTION: Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE with less than 1% Bovine Immunoglobulin.

PERFORMANCE: Cultured **human umbilical cord vein endothelial cells** were stimulated 4 hours with 10 ng/ml Phorbol 12-Myristate 13-Acetate. Cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD106 antibody at **5 µg/ml**. Cells were washed twice and incubated with 2° reagent Goat anti-Mouse IgG/FITC (Catalog #232-011) at a 1:60 dilution factor, after which they were washed three times, fixed and analyzed by FACS. A 27% sub population of the cells stained positive with a mean shift of **1.19** $\log_{10}$ fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010).

Binding of anti-CD106 mAb +GAM/FITC to stimulated HUVEC



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