PERFORMANCE DATA SHEET
2652

Monoclonal anti-human CD31(PECAM-1)*

mAb name/Clone: **158-2B3**
Isotype: Mouse IgG1
Immunogen: Stimulated human leukocytes

CATALOG#: 180-020
QUANTITY: 100 µg **CONCENTRATION: 1.0 mg/ml**

INFORMATION: Human CD31 is an adhesion molecule expressed on platelets, endothelial cells, leukocytes and their bone marrow precursors. CD31 plays a role in homophilic adhesion and heterophilic transendothelial migration (3). Antibody 158-2B3 reacts with domain 1 of CD31 and blocks homophilic interaction and heterophilic transendothelial migration (1).

References: 1) Leukocyte Typing VI (T. Kishimoto, et al, eds.) Garland Publishing, Inc., New York (1997) p. 362-372.
2) P.J. Newman, (1997) J Clin Invest **99**: 3-10. 3) K.L. Yong, et al, (1998) Blood **91**: 1196-1205.

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

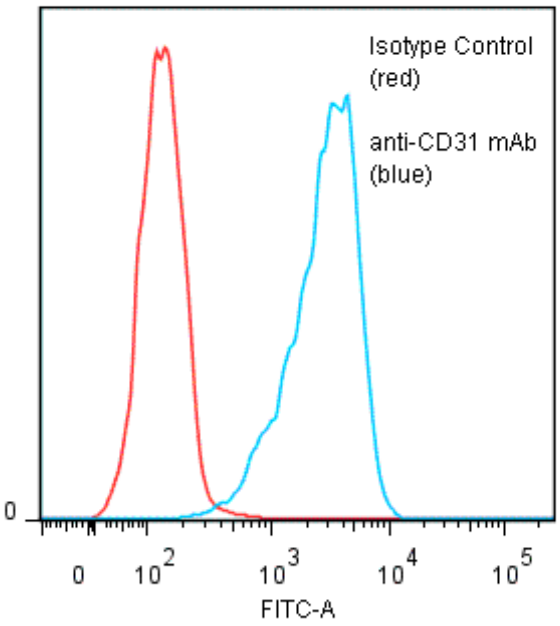
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

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: Five x 10^5 cultured human **Jurkat** cells were incubated 45 minutes on ice with 80 ul of anti-CD31 antibody at **10 µg/ml**. Cells were washed twice and incubated with 2° reagent Goat anti-Mouse IgG/FITC (Catalog #232-011), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.33** $\log_{10}$ fluorescent units when compared to a Mouse IgG1 negative control (Catalog # 278-010).

Binding of anti-CD31 mAb +GAM/FITC to human Jurkat cells



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