

PERFORMANCE DATA SHEET

2643

Monoclonal anti-human CD79a(mb1)*

mAb name/Clone: ZL7-4

Isotype: Mouse IgG1

Immunogen: Daudi IgM complex

CATALOG#: 235-020

QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

INFORMATION: Human CD79a is a 22kd glycoprotein which associates with CD79b to form a functional heterodimer that interacts with membrane immunoglobulin (mIg). The mIgM component binds antigen and the heterodimer transduces signals. Antibody ZL7-4 recognizes the extracellular part of CD79a.

References: 1) L. Zhang, M.J. Glennie, et al. (1995) *Therapeutic Immunol.* **2:** 191-202. 2) Leukocyte Typing VI (T. Kishimoto, et al, eds.) Garland Publishing, Inc., New York (1997) p. 180-185. 3) Chu PG, Arber DA. (2001) *Appl Immunohistochem Molecul Morphol* **9:** 97-106.

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

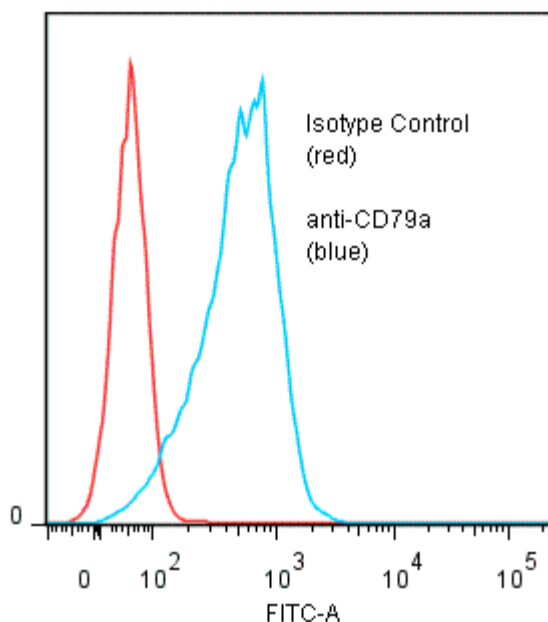
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

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 10⁵ cultured human **Daudi** cells were pre incubated 5 minutes with 20 µl of 250 µg/ml human IgG (to reduce non specific binding) after which they were incubated 45 minutes on ice with 80 µl of anti-CD79a antibody at **10 µg/ml**. Cells were washed twice and incubated with 2^o reagent Goat anti-Mouse IgG/FITC (Catalog #232-011), after which they were washed twice, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.04 log₁₀** fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010).

Binding of anti-CD79a mAb +GAM/FITC to human Daudi cells



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