

PERFORMANCE DATA SHEET

2425

Monoclonal anti-human CD79a(mb1)/R-PE*

mAb name/Clone: ZL7-4

Isotype: Mouse IgG1

Immunogen: Daudi IgM complex

CATALOG#: 235-050

QUANTITY: 120 tests

VOLUME IN VIAL: 0.2 ml

WORKING DILUTION: 1:50 (or use 1.6µl of concentrated stock per 5 x 10⁵-cell test)

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. **Do not freeze! Protect from light.**

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, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

PRODUCTION: Protein A purified antibody from tissue culture supernatant was conjugated to R-Phycoerythrin through a sulfo-ester linkage. Unconjugated antibody was removed using size exclusion chromatography. Antibody conjugate is at **0.5 mg/ml** with an A₅₆₅/A₂₈₀ ratio of 2.78.

PERFORMANCE: Five x 10⁵ cultured human Daudi cells were pre incubated 5 minutes with 20 µl of 250 µg/ml human Ig (to block non specific binding) after which they were incubated 45 minutes on ice with 80 µl of product at a dilution factor of **1:50** (10 µg/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.74 log₁₀** fluorescent units when compared to a Mouse IgG1/R-PE negative control (Catalog #278-050). Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD79a antibody (Catalog #235-020).

* **Research Use Only. Not for use in Diagnostic procedures.**

Binding of anti-CD79a/PE to human Daudi cells

