

PERFORMANCE DATA SHEET

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Monoclonal anti-human CD79a(mb1)/Biotin***mAb name/Clone:** ZL7-4**Isotype:** Mouse IgG1**Immunogen:** Daudi IgM complex**CATALOG#:** 235-030**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 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 **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 anti-CD79a/Biotin at **10 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 **1.89** log₁₀ fluorescent units when compared to a Mouse IgG1/Biotin negative control (Catalog # 278-030). 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/Biotin
+SA/PE to human Daudi cells**

