

**PERFORMANCE DATA SHEET**

2643

**Monoclonal anti-human CD79a(mb1)\***

**mAb name/Clone:** ZL7-4

**Isotype:** Mouse IgG1

**Immunogen:** Daudi IgM complex

**CATALOG#:** 235-820 (Preservative-free)

**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. Open under aseptic conditions.

**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.

**PRODUCTION:** Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE and contains less than 1% Bovine Immunoglobulin. Product was 0.2 µm filtered and vialled under aseptic condition

**PERFORMANCE:** Five x 10<sup>5</sup> 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 antibody at **10 µg/ml**. Cells were washed twice and incubated with 2<sup>o</sup> 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** log<sub>10</sub> fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010).

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

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

