

PERFORMANCE DATA SHEET

2606

Monoclonal anti-human CD55 (DAF)/R-PE *

mAb name/Clone: 67

Isotype: Mouse IgG1κ

Immunogen: Human monocytes

CATALOG#: 207-050

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 CD55 is a GPI anchored protein that can protect cells from complement mediated lysis. Antibody 67 recognizes the CD55 molecule of 70 kd.

References: D.G. Palmer, et al, (1985) Clin Exp Immunol **59**: 529-538. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford (1995) p. 1473-1474.

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 2.77.

PERFORMANCE: Five x 10⁵ cultured **HPB-MLT** cells were incubated 45 minutes on ice with 80 µl of anti-CD55/R-PE 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 **1.54 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-CD55 antibody (Catalog #207-020).

**Research use only. Not for use in Diagnostic procedures.*

Binding of anti-CD55/PE to human HPB-MLT cells

