

# PERFORMANCE DATA SHEET

3035

## Monoclonal anti-human CD55 (DAF)/FITC\*

**mAb name/Clone:** 67

**Isotype:** Mouse IgG1 $\kappa$

**Immunogen:** Human monocytes

**CATALOG#:** 207-040

**QUANTITY:** 120 tests

**VOLUME IN VIAL:** 0.2ml

**WORKING DILUTION:** 1:50 (or use 1.6 $\mu$ l of concentrated stock per 5 x 10<sup>5</sup>-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. Freeze/Thawing is not recommended. Protect from light.

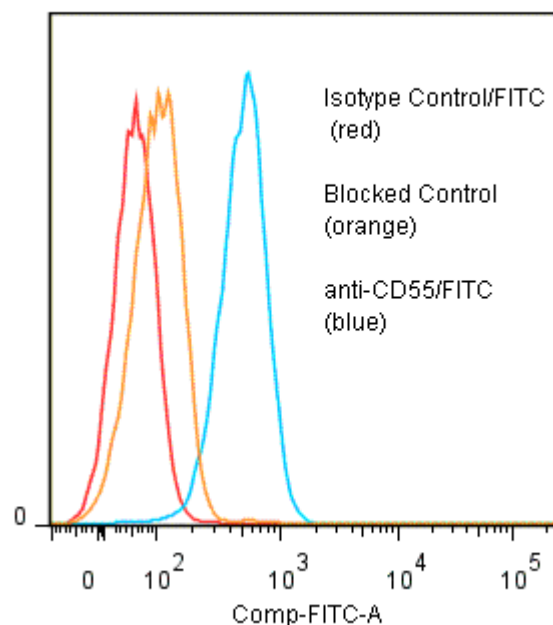
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: \_\_\_\_\_

**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN<sub>3</sub> (as a preservative).

**PRODUCTION:** Protein A purified antibody from tissue culture supernatant was reacted with FITC. Unconjugated FITC was separated from antibody/FITC conjugate by desalting column. The antibody/FITC conjugate is at **0.5 mg/ml** with a Fluorescein/IgG molar ratio of 3.7.

**PERFORMANCE:** Five x 10<sup>5</sup> cultured **HPB-MLT** cells were washed and incubated 45 minutes on ice with 80  $\mu$ l of anti-CD55/FITC at a dilution factor of 1:50 (10  $\mu$ g/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.9 log<sub>10</sub>** fluorescent units when compared to a Mouse IgG1/FITC negative control (Catalog #278-040). Binding was blocked when cells were pre incubated 10 minutes with 20  $\mu$ l of 0.5 mg/ml anti-CD55 antibody (Catalog #207-020).

**Binding of anti-CD55/FITC to human HPB-MLT cells**



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