**PERFORMANCE DATA SHEET**
**3035**

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

***mAb name/Clone:*** **67**
***Isotype:*** Mouse IgG1κ
***Immunogen:*** Human monocytes

**CATALOG#: 207-040**
**QUANTITY: 120 tests** **VOLUME IN VIAL: 0.2ml**
**WORKING DILUTION: 1:50** (or use 1.6µl of concentrated stock per 5 x $10^5$-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.

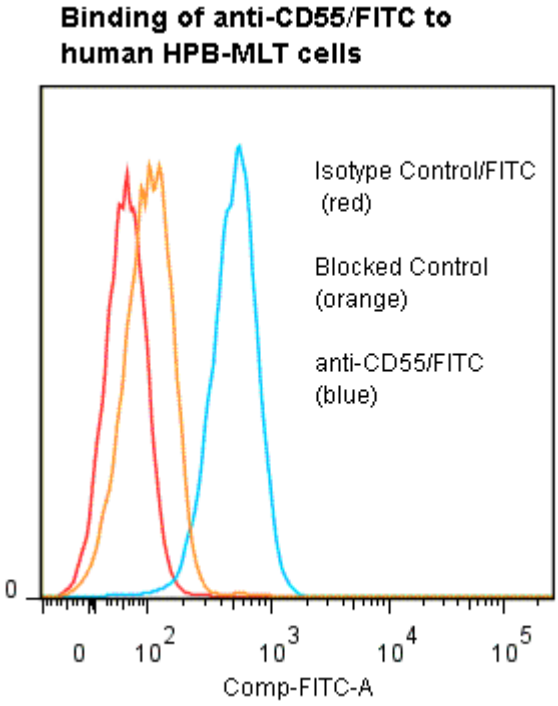
**STORAGE CONDITIONS:** ***Store at 2 - 5°C***. Freeze/Thawing is not recommended. Protect from light.

**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% $NaN_3$ (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 $10^5$ cultured **HPB-MLT** cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD55/FITC 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 **0.9** $\log_{10}$ fluorescent units when compared to a Mouse IgG1/FITC negative control (Catalog #278-040) at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD55 antibody (Catalog #207-020).

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