

PERFORMANCE DATA SHEET

1816

Monoclonal anti-human CD46 (MCP)/FITC*

mAb name/Clone: 169-1-E4.3

Isotype: Mouse IgG2aκ

Immunogen: Human PBL and EBV transformed LCL

CATALOG#: 197-040

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 CD46 is a cell surface glycoprotein expressed on almost all human cells except erythrocytes. CD46 is involved with regulation of complement activation and is also a measles virus receptor. Antibody 169-1-E4.3 recognizes the SCR1 epitope of CD46 (3).

References: 1.) R.L. Sparrow and I.F.C. McKenzie, (1983) Human Immunol 7: 1-15. 2.) D. Christiansen, et al, (1996) Eur J Immunol 26: 578-585. 3.) Leukocyte Typing VI (T. Kishimoto, et al, eds.) Garland Publishing, Inc., New York (1997) p. 506-509.

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% NaN₃ (as a preservative).

PRODUCTION: Antibody from (low FBS containing) tissue culture supernatant was Protein A purified and reacted with FITC. Unconjugated FITC was removed from conjugate using a desalting column. Antibody conjugate is at **0.5 mg/ml** with a Fluorescein/IgG molar ratio of 10.7 to 1.

PERFORMANCE: Five x 10⁵ cultured human HPB-MLT cells per tube were washed and incubated 45 minutes on ice with 80 μl of anti-CD46/FITC at a 1:50 dilution (10 μg/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 1.1 log₁₀ fluorescent units when compared to a Mouse IgG2a/FITC negative control (Catalog #281-040). Binding was blocked when cells were pre incubated 10 minutes with 20 μl of 0.5 mg/ml anti-CD46 antibody (Catalog #197-020).

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

Binding of anti-CD46/FITC to human HPB-MLT tumor cells

