

**PERFORMANCE DATA SHEET**

3043

**Monoclonal anti-human CD46 (MCP)\*****mAb name/Clone:** 169-1-E4.3**Isotype:** Mouse IgG2ak**Immunogen:** Human PBL and EBV transformed LCL**CATALOG#:** 197-820 (Preservative Free)**QUANTITY:** 100 µg**CONCENTRATION:** 1.0 mg/ml

**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. *Open under aseptic conditions.* Freeze/Thawing is not recommended.

**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 viald under aseptic conditions.

**PERFORMANCE:** Five x 10<sup>5</sup> cultured human HPB-MLT cells per tube were washed and incubated 45 minutes on ice with 80 µl of anti-CD46 antibody at a concentration of 5 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 three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 1.62 log<sub>10</sub> fluorescent units when compared to a Mouse IgG2a negative control (Catalog #281-010) at a similar concentration.

*\*Research use only. Not for use in Diagnostic Procedures.*

**Binding of anti-CD46 mAb +GAM/FITC to human HPB-MLT cells**