PERFORMANCE DATA SHEET

1817

Ancell

Monoclonal anti-human CD35 (CR1, C3bR)/R-PE*

mAb name/Clone: E11
Isotype: Mouse IgG1

Immunogen: Human monocytes

CATALOG#: 184-050
QUANTITY: 120 tests

VOLUME IN VIAL: 0.2 ml
WORKING DILUTION: 1:50 (or use 1.6µl of concentrated reagent per 5x10⁵-cell test)

INFORMATION: Human CD35 binds complement components C3b, C4b, and iC3b and is expressed on erythrocytes, B cells, monocytes, granulocytes and folicular dendritic cells and on subsets of thymocytes. CD35 on erythrocytes mediates clearance of immunue complexes. Antibody E11 recognizes a complement receptor 1 (CD35) molecule of about 220 kd.

References: N. Hogg, et al, (1984) Eur J Immunol **14:** 236-243. Leukocyte Typing IV (W. Knapp, et al, eds.) Oxford University Press, Oxford, (1989) p. 829-830. C.C. Delibrias, et al, (1994) Eur J Immunol **24:** 2784-2788. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 871-874.

STORAGE CONDITIONS: Store at 2 - 5°C. Do not freeze! Protect from light.

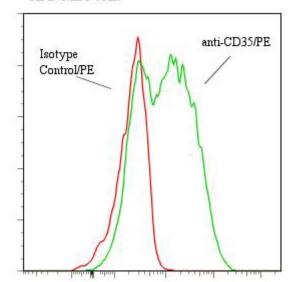
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

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 OD_{565}/OD_{280} ratio of 3.07.

PERFORMANCE: Five x 10^5 cultured **HPB-MLT** human tumor cells per tube were washed and incubated 45 minutes on ice with 80 µl of anti-human CD35/R-PE at a **1:50** dilution (10 µg/ml). Cells were then washed three times, fixed and analyzed by FACS. A 53% subpopulation of the cells stained positive with a mean shift of **1.04** \log_{10} fluorescent units when compared to a Mouse IgG2a/PE negative control (Catalog # 281-050). Binding was blocked when cells were pre incubated 20 µl of unlabeled anti-CD35 antibody at 0.5 mg/ml (Cat#184-020).

Binding of anti-CD35/PE to human HPB-MLT cells



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^{*} Research use only. Not for use in Diagnostic procedures.