

PERFORMANCE DATA SHEET

1818

Monoclonal anti-human CD95 (APO-1/FAS)/R-PE*

mAb name/Clone: ANC95.1/5E2

Isotype: Mouse IgG1

Immunogen: Human soluble FAS with the transmembrane region deleted

CATALOG#: 316-050

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 CD95 (APO-1/FAS) is a type I cell surface glycoprotein that is strongly upregulated on activated T cells, B cells, NK cells and thymocytes. CD95 plays an important role in programmed cell death or apoptosis. Apoptosis appears to be a mechanism for regulating the immune response.

References: Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 1142-1148. S. Nagata & P. Golstein (1995) Science 267: 1449-1456. S. Nagata & T. Suda (1995) Immunol Today 16: 39-43. D.H. Lynch, F. Ramsdell & M.R. Alderson (1995) Immunol Today 16: 569-574.

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 A₅₆₅/A₂₈₀ ratio of 2.96.

PERFORMANCE: Human **Raji** cells were incubated 45 minutes on ice with 80 µl of anti-CD95/R-PE 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 **2.01** log₁₀ fluorescent units when compared to a Mouse IgG1/R-PE negative control (Catalog #278-050) at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD95 antibody (Catalog #316-020).

***This Product is intended for Laboratory Research use only.** R-Phycoerythrin (R-PE) is covered under patents: U.S. 4,520,110; European 76,695 and Canadian 1,179,942.

Binding of anti-CD95/R-PE to human cell types

