PERFORMANCE DATA SHEET
1819

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

mAb name/Clone: ANC95.1/5E2
Isotype: Mouse IgG1
Immunogen: Human soluble FAS with the transmembrane region deleted

CATALOG#: 316-030
QUANTITY: 100 µg **CONCENTRATION: 1.0 mg/ml**

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.

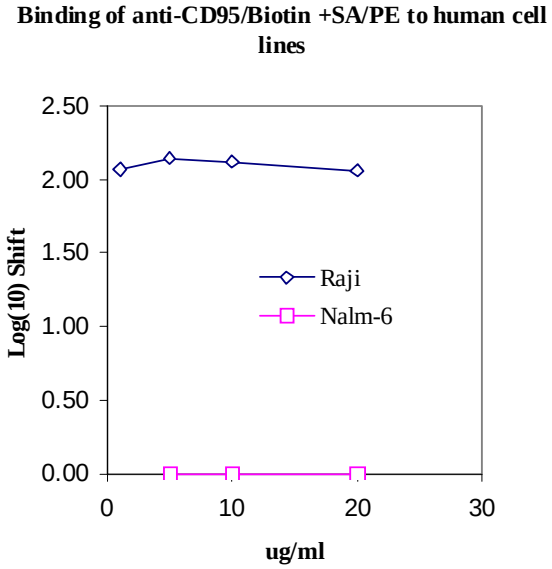
STORAGE CONDITIONS: ***Store at 2 - 5^{o}C***. Freeze/thawing not recommended.

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, 5% Glycerol, 0.2% BSA, 0.04% NaN_3 (as a preservative).

PRODUCTION: Antibody from (low FBS containing) tissue culture supernatant was Protein A purified to >95% mouse immunoglobulin by SDS-PAGE (<1% bovine immunoglobulin), and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate using a desalting column.

PERFORMANCE: Five x 10^5 cultured human **Raji** cells were incubated 45 minutes on ice with 80 µl of anti-CD95/Biotin at **5 µg/ml**. Cells were washed twice and incubated 2^{o} reagent Streptavidin/R-PE (Catalog #253-050) after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **2.15** $\log_{10}$ fluorescent units when compared to a Mouse IgG1/Biotin negative control (Catalog #278-030) 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.***

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