

PERFORMANCE DATA SHEET

2344

Monoclonal anti-human CD326(EpCAM)/Biotin*

mAb name/Clone: ANC8D4

Isotype: Mouse IgG1κ

Immunogen: Recombinant human CD326

CATALOG#: 126-030

QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

INFORMATION: Human CD326 (EpCAM, EGP2, HEA) is a 40kD glycoprotein expressed on epithelial cells and many carcinomas. It is an adhesion molecule whose function is implicated in carcinogenesis and erythropoiesis. Antibody ANC8D4 recognizes recombinant CD326 in EIA, and cell surface human CD326 in FACS.

References: 1) Rao CG, et al.. (2005) *Int. J. Oncol.* 27: 49.

STORAGE CONDITIONS: Store at 2 - 5°C. Freeze/thawing not recommended.

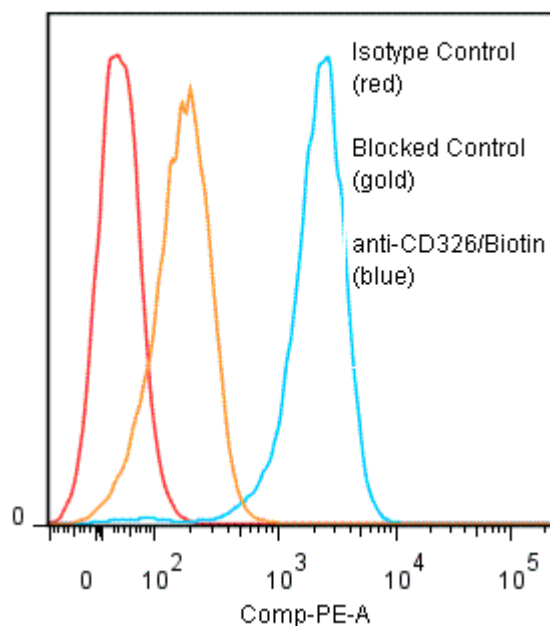
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN₃ (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: Cultured human SW480 cells were harvested by EDTA. Five x 10⁵ cells per tube were washed and pre incubated ~5 minutes with 20 µl human IgG at 250 µg/ml (to block non specific binding) after which they were incubated 45 minutes on ice with 80 µl of anti-human CD326/Biotin at concentration of **5 µg/ml**. They were then washed twice and incubated with 2^o reagent Streptavidin/R-PE (Catalog #253-050) after which they were washed twice, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.93 log10** fluorescent units when compared to an Isotype control Mouse IgG1/Biotin (catalog #278-010). Binding was blocked when cells were pre incubated with unlabeled anti-human CD326 mAb (#126-020).

Binding of anti-CD326/Biotin +SA/PE to human SW480 cells



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