

**PERFORMANCE DATA SHEET**

2846

**Monoclonal anti-human CD326(EpCAM)/R-PE\***

**mAb name/Clone:** ANC8D4

**Isotype:** Mouse IgG1κ

**Immunogen:** Recombinant soluble human CD326

**CATALOG#:** 126-050

**QUANTITY:** 120 tests

**VOLUME IN VIAL:** 0.2 ml

**WORKING DILUTION:** 1:50 (or use 1.6µl of concentrated stock per 5 x 10<sup>5</sup>-cell test)

**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. Do not freeze! Protect from light.

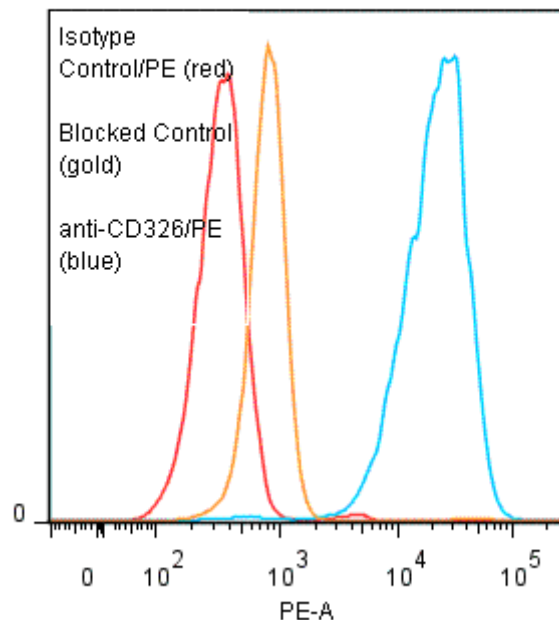
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: \_\_\_\_\_

**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% NaN<sub>3</sub> (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 500 µg/ml with an A<sub>565</sub>/A<sub>280</sub> ratio of 2.6.

**PERFORMANCE:** Five x 10<sup>5</sup> cultured human SW480 cells were harvested using trypsin, washed and pre incubated ~5 minutes with 20 µl of 250 µg/ml human IgG (to block nonspecific binding), after which they were incubated 45 minutes on ice with 80 µl of anti-CD326/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 1.77 log<sub>10</sub> 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-CD326 antibody (Catalog #126-020).

**Binding of anti-CD326/PE to human SW480 cells**



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