

**PERFORMANCE DATA SHEET**

2216

**Monoclonal anti-human CD326(EpCAM)\*****mAb name/Clone:** ANC8D4**Isotype:** Mouse IgG1 $\kappa$ **Immunogen:** Recombinant soluble human CD326**CATALOG#:** 126-820 (Preservative-free)**QUANTITY:** 100  $\mu$ g**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 is not recommended. Open under aseptic conditions.

**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.

**PRODUCTION:** Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE with less than 1% Bovine Immunoglobulin. Product was 0.2 $\mu$  sterile filtered and vialled under aseptic conditions.

**PERFORMANCE:** Cultured human SW480 cells were harvested by EDTA. Five x 10<sup>5</sup> cells per tube were washed and pre incubated ~5 minutes with 20  $\mu$ l human IgG at 250  $\mu$ g/ml (to block non specific binding ) after which they were incubated 45 minutes on ice with 80  $\mu$ l of anti-human CD326 antibody at a concentration of 5  $\mu$ g/ml. Cells were washed twice and incubated with 50  $\mu$ l of 2<sup>o</sup> reagent Goat anti-Mouse Ig/FITC (Catalog #232-011), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 1.64 log<sub>10</sub> fluorescent units when compared to Isotype control Mouse IgG1 (Catalog # 278-010).

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

**Binding of anti-CD326(EPCAM) +GAM/FITC to human SW480 cells**