

## PERFORMANCE DATA SHEET

1817

# Monoclonal anti-human CD66e\*

**mAb name/Clone:** CB30

**Isotype:** Mouse IgG1

**Immunogen:** Human carcinoembryonic antigen

**CATALOG#:** 218-020

**QUANTITY:** 100 µg

**CONCENTRATION:** 1.0 mg/ml

Human CD66e is a heavily glycosylated GPI anchored protein capable of heterophilic and homophilic adhesion and may play a role in metastasis of cancer cells. Soluble CD66e is also known as carcinoembryonic antigen (CEA). Antibody CB30 recognizes cell surface bound CD66e on epithelial cells.

**References:** 1. Leukocyte Typing VI (T. Kishimoto, et al, eds.) Garland Publishing, Inc., New York (1997) p. 992-1015.

2. A. Gangopadhyay, et al, (1996) Cancer Res 56: 4805-4810.

**STORAGE CONDITIONS:** Store at 2 - 5°C. Freeze/Thawing is not recommended.

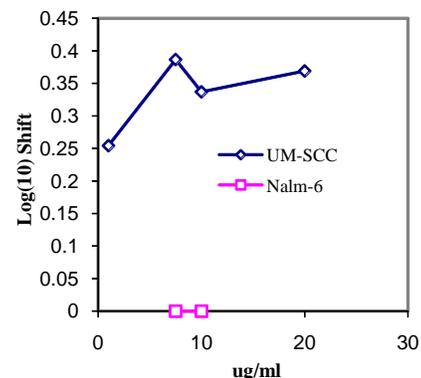
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: \_\_\_\_\_

**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

**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.

**PERFORMANCE:** Five x 10<sup>5</sup> cultured **UM-SCC** cells (squamous cell carcinoma) per tube were washed and pre incubated 5 minutes with 20 µl of 250 µg/ml human IgG (to block non specific binding) after which they were incubated 45 minutes on ice with 80 µl of anti-CD66e antibody at **10 µg/ml**. Cells were washed twice and incubated with 2<sup>o</sup> reagent Goat anti-Mouse IgG/FITC (Catalog #232-011), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.33** log<sub>10</sub> fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010) at a similar concentration.

Binding of anti-CD66e antibody to human cell lines



*\*This Product is intended for Laboratory Research use only.*