

PERFORMANCE DATA SHEET

1817

*Monoclonal anti-human CD66e/R-PE**

mAb name/Clone: CB30

Isotype: Mouse IgG1

Immunogen: Human carcinoembryonic antigen

CATALOG#: 218-050

QUANTITY: 120 tests

VOLUME IN VIAL: 0.2 ml

WORKING DILUTION: 1:50 (or use 1.6µl of concentrated stock per 5 x 10⁵-cell test)

Information: 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. 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% NaN₃ (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 **750 µg/ml** with an A₅₆₅/A₂₈₀ ratio of 3.33.

PERFORMANCE: Five x 10⁵ cultured human **UM-SCC** cells (squamous cell carcinoma) were washed and incubated 45 minutes on ice with 80 µl of anti-CD66e/R-PE at a dilution factor of **1:50** (15µg/ml). Cells were washed three times, fixed and analyzed using a BD FACS Calibur. The cells stained positive with a mean shift of **0.4 log₁₀** 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-CD66e antibody (Catalog #218-020).

***This Product is intended for Laboratory Research use only.** R-Phycoerythrin (R-PE) is covered under patents: U.S. 4,520,110; European 76,695 and Canadian 1,179,942.