

## PERFORMANCE DATA SHEET

1817

### *Monoclonal* anti-human human CD66e/Biotin \*

*mAb name/Clone:* CB30

*Isotype:* Mouse IgG1

*Immunogen:* Human carcinoembryonic antigen

**CATALOG#:** 218-030

**QUANTITY:** 100 µg

**CONCENTRATION:** 0.5 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 and binds to recombinant CEA in EIA.

**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 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% NaN<sub>3</sub> (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:** Anti-CD66e/Biotin was qualified for its ability to detect plate-bound recombinant CD66e in EIA, using streptavidin/HRP as a secondary detection reagent and TMB/H<sub>2</sub>O<sub>2</sub> substrate/chromagen. Signal was readily detectable at 5 ng/ml.

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