## PERFORMANCE DATA SHEET 2329 Monoclonal anti-human CD66b (CEACAM8)\*



*mAb name/Clone:* ANC1D5 *Isotype:* Mouse IgG1κ *Immunogen:* Recombinant soluble human CD66b

## CATALOG#: 217-020 QUANTITY: 100 µg

## CONCENTRATION: 1.0 mg/ml

**INFORMATION:** Human CD66b (CEACAM8, CGMb, NCA-95, CD67) is a 95kD member of the Carcinoembryonic Antigen (CEA) group. It is expressed on granulocytes and functions as an adhesion molecule. Similar to the CD66 a, c, and d isoforms, engagement of CD66b on neutrophils causes increased adhesion to endothelial cells (2). Crosslinking CD66b on neutrophils with antibodies triggers IL-8 release (3).

Antibody from clone ANC1D5 binds to CD66b on the cell surface of human PMN in Flow cytometry and detects recombinant CD66b in sandwich EIA utilizing either clone ANC4A4(Cat #220-020) or ANC3C5(Cat# 219-020) as a capture reagent. *Clone ANC1D5 may cross react with other CD66 isoforms, as it also binds to cell surface of an epithelial tumor line.* 

*References:* 1) W.N. Khan, S. Hammarstrom, et al. (1992) *Genomics* 14(2):384-90. 2) K.M. Skubitz, A.P. Skubitz, et al. (1996) *J Leuk Biol* 60(1): 106-117. 3) A.K. Schroder, L Rink, et al. (2006) *Human Immunol* 67(9): 676-682.

**STORAGE CONDITIONS:** *Store at 2 - 5<sup>o</sup>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:\_\_\_\_\_

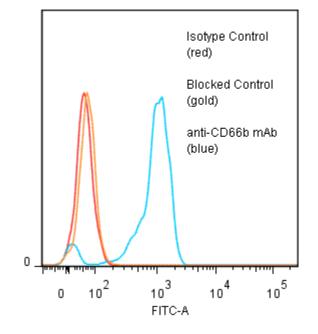
**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

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. Binding of anti-CD66(ANC1D5) antik

**PERFORMANCE:** Five x  $10^5$  Polymorphprep prepared human Granulocytes(PMN) per tube were pelleted and pre incubated 5 minutes with 20µl of human IgG at 300µg/ml (to reduce non specific binding) after which they were washed and incubated 45 minutes on ice with 80 µl of anti-CD66b antibody(ANC1D5) at **5 µg/ml**. Cells were washed twice and incubated with  $2^\circ$  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 **1.28** log<sub>10</sub> fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010). Binding was blocked when reagent was pre incubated with a 10-fold excess of recombinant CD66b.

\*Research use only. Not for use in Diagnostic procedures.

## Binding of anti-CD66(ANC1D5) antibody +GAM/FITC to human PMN



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