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^oC*. 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:_____

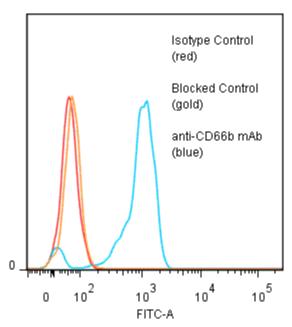
BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

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 10⁵ 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 2⁰ 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** log₁₀ fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010) at a similar concentration. 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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