PERFORMANCE DATA SHEET
1818

Monoclonal anti-human CD165 (AD2)/Biotin*

mAb name/Clone: **AD2**
Isotype: Mouse IgG1
Immunogen: HSB cells

CATALOG#: 392-030
QUANTITY: 100 µg **CONCENTRATION: 1.0 mg/ml**

INFORMATION: Human CD165 is a cell surface molecule present on a subset of peripheral lymphocytes and monocytes and is important for adhesion of thymocytes to thymic epithelial cells. Antibody AD2 recognizes the CD165 molocule of 37 kd. Antibody AD2 blocks the function of CD165.
References: (1). C.S. Bruggers, D.D. Patel & R.M. Scearce (1995) J Immunol 154: 2012-2022. (2). Leukocyte Typing VI (T. Kishimoto, et al, eds.) Garland Publishing, Inc., New York (1997) p. 457-459.

STORAGE CONDITIONS: ***Store at 2 - 5^{o}C***. Freeze/Thawing is not recommended.

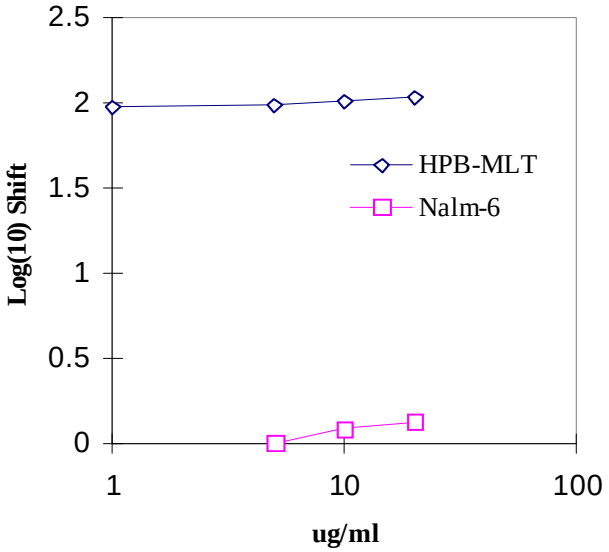
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN_3 (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: Five x 10^5 cultured **HPB-MLT** cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD165/Biotin at a concentration of **5 µg/ml**. Cells were washed twice and incubated with 20 µl of 2^o reagent Streptavidin/R-PE (Catalog #253-050) after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **2.0** $\log_{10}$ fluorescent units when compared to a Mouse IgG1/Biotin negative control (Catalog #278-030) n. Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD165 antibody (Catalog #392-020).

Binding of anti-CD165/Biotin to human cell lines



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