PERFORMANCE DATA SHEET
2523

Monoclonal anti-human CD165 (AD2)/FITC*

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

CATALOG#: 392-040
QUANTITY: 120 tests **VOLUME IN VIAL: 0.2ml**
WORKING DILUTION: 1:50 (or use 1.6µl of concentrated stock per 5 x 10^5-cell test)

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. Protect from light.

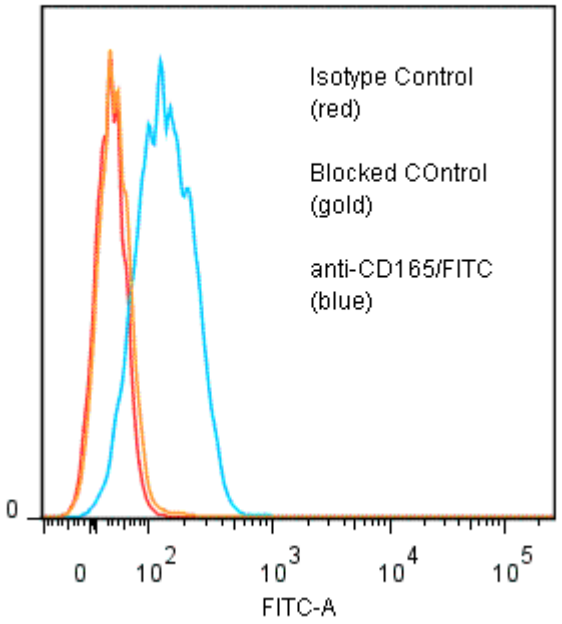
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN_3 (as a preservative).

PRODUCTION: Protein A purified antibody from tissue culture supernatant was reacted with FITC. Unconjugated FITC was separated from antibody/FITC conjugate by desalting column. The antibody/FITC conjugate is at **0.5 mg/ml** with a Fluorescein/IgG molar ratio of 5.9.

PERFORMANCE: Five x 10^5 cultured **HPB-MLT** cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD165/FITC at a **1:50** dilution factor (10 µg/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.86** $\log_{10}$ fluorescent units when compared to a Mouse IgG1/FITC negative control (Catalog #278-040). 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/FITC to human HPB-MLT cells



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