

PERFORMANCE DATA SHEET

1818

Monoclonal anti- human CD165 (AD2)/R-PE *

mAb name/Clone: AD2

Isotype: Mouse IgG1

Immunogen: HSB cells

CATALOG#: 392-050

QUANTITY: 120 tests

VOLUME IN VIAL: 0.2 ml

WORKING DILUTION: 1:50 (or use 1.6µl of concentrated stock per 5 x 10⁵-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 molecule of 37 kd. Antibody AD2 blocks the function of CD165.

References: (1). C.S. Bruggers, D.D. Patel & R.M. Searce (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°C.* Do not freeze! 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, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

PRODUCTION: Protein A purified antibody from tissue culture supernatant was conjugated to R-Phycoerythrin through a sulfo-ester linkage. Unconjugated antibody was removed using size exclusion chromatography. Antibody conjugate is at **500 µg/ml** with an A₅₆₅/A₂₈₀ ratio of 3.33.

PERFORMANCE: Five x 10⁵ human **HPB-MLT** cells were washed incubated 45 minutes on ice with 80 µl of anti-CD165/R-PE at a dilution factor of **1:50** (10µg/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.60** log₁₀ fluorescent units when compared to a Mouse IgG1/R-PE negative control (Catalog #278-050) at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD165 antibody (Catalog #392-020).

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

R-Phycoerythrin (R-PE) is covered under patents: U.S. 4,520,110; European 76,695 and Canadian 1,179,942.

Binding of anti-CD165/R-PE to human cell lines

