PERFORMANCE DATA SHEET 1818 Monoclonal anti-human CD83/FITC*

mAb name/Clone: HB15e *Isotype:* Mouse IgG1 *Immunogen:* COS cells transfected with human CD83

CATALOG#: 304-040VOLUME IN VIAL: 0.2mlQUANTITY: 120 testsVOLUME IN VIAL: 0.2mlWORKING DILUTION: 1:50 (or use 1.6μl of concentrated reagent per 5 x 10⁵-cell test)

INFORMATION: Human CD83 is a type 1 cell surface glycoprotein expressed almost solely by dendritic cells that play an important role in antigen presentation (2). Antibody HB15e recognizes the CD83 molecule of 45 kd (3).

References: (1). L-J. Zhou, et al, (1992) J Immunol 149: 735-742. (2). L-J. Zhou & T.F. Tedder (1995) J Immunol 154: 3821-3835. (3). Leukocyte Typing VI (T. Kishimoto, et al, eds.) Garland Publishing, Inc., New York (1997) p. 191-193.

STORAGE CONDITIONS: Store at 2 - 5^oC. Freeze/Thawing is not recommended. Protect from light.

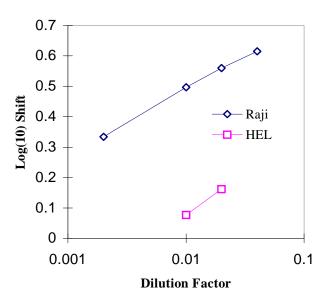
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN₃ (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 4.5.

PERFORMANCE: Five x 10^5 cultured **Raji** cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD83/FITC at a **1:50** dilution (10 µg/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.56** log₁₀ fluorescent units when compared to a Mouse IgG1/FITC negative control (Catalog # 278-040) at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD83 antibody (Catalog #304-020).





*This Product is intended for Laboratory Research use only.

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