PERFORMANCE DATA SHEET 1818 Monoclonal anti-human CD83*



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

CATALOG#: 304-820 (Preservative-free) QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

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. Open under aseptic conditions.

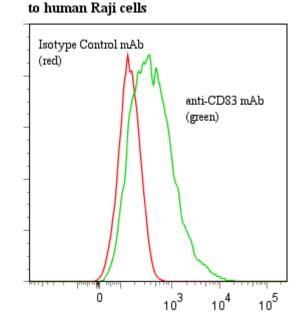
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:______

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl.

PRODUCTION: Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity

was >95% Immunoglobulin by SDS-PAGE and contains less than 1% Bovine Immunoglobulin. Product was 0.2µ sterile filtered and vialed under aseptic conditions.

PERFORMANCE: Five x 10^5 cultured **Raji** cells per tube were incubated 45 minutes on ice with 80 µl of anti-CD83 antibody at **10µg/ml**. Cells were washed twice and incubated with 2° 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 **0.65** log₁₀ fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010).



Binding of anti-CD83 mAb + GAM/FITC

* Research Use Only. Not for use in Diagnostic procedures.