

# 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°C. 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 vialled under aseptic conditions.

**PERFORMANCE:** Five x 10<sup>5</sup> 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<sup>o</sup> 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 log<sub>10</sub> fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010).

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

**Binding of anti-CD83 mAb + GAM/FITC to human Raji cells**

