## PERFORMANCE DATA SHEET

## Monoclonal anti-human human CD83/Biotin\*

mAb name/Clone: HB15e *Isotype:* Mouse IgG1

Immunogen: COS cells transfected with human CD83

CATALOG#: 304-030 **OUANTITY: 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

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 not recommended.

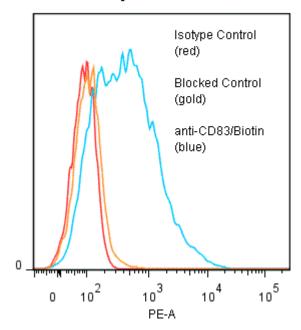
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:\_\_\_\_\_

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN<sub>3</sub> (as a preservative).

**PRODUCTION:** Antibody from (low FBS containing) tissue culture supernatant was Protein A purified to >95% mouse immunoglobulin by SDS-PAGE (<1% bovine immunoglobulin), and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate using a desalting column.

**PERFORMANCE:** Five x 10<sup>5</sup> cultured human **Raji** cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD83/Biotin at 5 µg/ml. Cells were washed twice and incubated with 2° reagent Streptavidin/R-PE (Catalog #253-050), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.98** log<sub>10</sub> fluorescent units when compared to a Mouse IgG1/Biotin negative control (Catalog #278-030). Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD83 antibody (Catalog #304-020).

## Binding of anti-CD83/Biotin +SA/PE to human Raji cells



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<sup>\*</sup>Research use only. Not for use in Diagnostic procedures.