

## PERFORMANCE DATA SHEET

1818

### Monoclonal anti-human CD100\*

**mAb name/Clone:** 133-1C6

**Isotype:** Mouse IgM

**Immunogen:** PHA stimulated human PBL

**CATALOG#:** 321-820 (Preservative-free)

**LOT#:** 634003

**QUANTITY:** 100 µg

**CONCENTRATION:** 1.0 mg/ml

**INFORMATION:** Human CD100 is a transmembrane glycoprotein that belongs to the semaphorin gene family and is found on most hematopoietic cells except RBC, platelets and immature bone marrow cells. CD100 plays a key role in lymphocyte activation (2, 3). Antibody 133-1C6 recognizes a CD100 molecule of about 150 kd.

**References:** 1)Leukocyte Typing VI (T. Kishimoto, et al, eds.) Garland Publishing, Inc., New York (1997) p. 534-539. 2)K.T. Hall, et al, (1996) Proc Natl Acad Sci USA 93:11780-11785. 3)A. Elhabazi, et al, (1997) J Biol Chem 272: 23515-23520.

**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 human **Jurkat** cells were incubated 45 minutes on ice with 80 µl of anti-CD100 antibody at **10 µg/ml**. Cells were washed twice and incubated with 2<sup>o</sup> reagent Goat anti-Mouse IgG/FITC (Catalog #232-011; this reagent cross reacts well with Mouse IgM), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.82 log<sub>10</sub>** fluorescent units when compared to a Mouse IgM negative control (Catalog #290-010) at a similar concentration.

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

**Binding of anti-CD100 antibody to human cell lines**

