PERFORMANCE DATA SHEET

2137

Monoclonal anti-human CD100*



mAb name/Clone: 133-1C6 *Isotype:* Mouse IgM

Immunogen: PHA stimulated human PBL

CATALOG#: 321-020 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^oC.* Freeze/Thawing is not recommended.

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

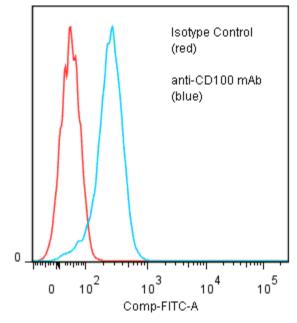
BUFFER: 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

PRODUCTION: Antibody from (low FBS containing) tissue culture supernatant was purified to 95% mouse immunoglobulin by SDS-PAGE (<1% bovine immunoglobulin) using size exclusion chromatography.

PERFORMANCE: Five x 10⁵ 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 $2^{\rm O}$ 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 **0.87** \log_{10} fluorescent units when compared to a Mouse IgM negative control (Catalog #290-010) at a similar concentration.

Binding of anti-CD100 mAb +GAM/FITC to human Jurkat cells



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