Ancell™

Monoclonal **anti-human CD100***

>*mAb name/Clone:* **133-1C6**
>*Isotype:* Mouse IgM
>*Immunogen:* PHA stimulated human PBL

CATALOG#: 321-820 (Preservative Free)
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.**
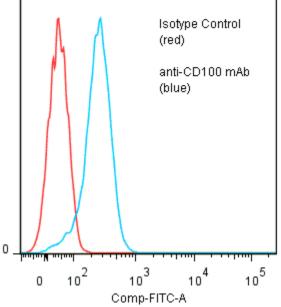
PRODUCT STABILITY: Product should retain activity for at least 6 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl

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 10^5 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^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).

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

Isotype Control (red)

anti-CD100 mAb (blue)

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