PERFORMANCE DATA SHEET
3109

Monoclonal anti-human CD100/FITC *

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

CATALOG#: 321-040
QUANTITY: 120 tests **VOLUME IN VIAL: 0.2 ml**
WORKING DILUTION: 1:50 (or use 1.6µl of concentrated stock per 5 x 10^5-cell test)

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.

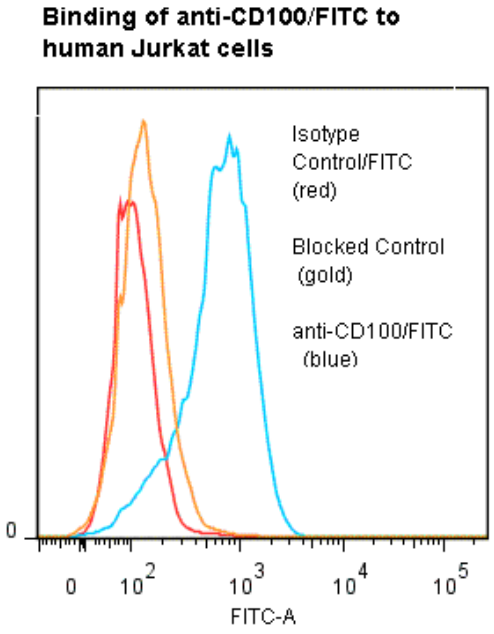
STORAGE CONDITIONS: ***Store at 2 - 5^{o}C***. **DO NOT FREEZE**. Protect from light.

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_3 (as a preservative).

PRODUCTION: Antibody from (low FBS containing) tissue culture supernatant was size exclusion purified to 90% Immunoglobulin by SDS-PAGE, and reacted with FITC. Unconjugated FITC was removed from conjugate using a desalting column. Antibody conjugate is at **0.5 mg/ml** with a Fluorescein/IgM molar ratio of 29.1.

PERFORMANCE: Five x 10^5 cultured human **Jurkat** cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD100/FITC at a **1:50** dilution (10µg/ml). Cells were then washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.51** $\log_{10}$ fluorescent units when compared to a Mouse IgM/FITC control (Catalog #290-040). Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD100 antibody (Catalog #321-020).



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

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