## PERFORMANCE DATA SHEET <sup>3308</sup> Monoclonal anti- human CD235a (Glycophorin A)\*



*mAb name/Clone:* A63-B/C2 *Isotype:* Mouse IgM *Immunogen:* Neuraminidase treated human erythrocytes

## CATALOG#: 122-820 (Preservative-free) QUANTITY: 100 µg

## **CONCENTRATION: 1.0 mg/ml**

**INFORMATION:** Human CD235a (glycophorin A) is a sialoglycoprotein expressed early on the cell surface during erythropoiesis as pluripotent stem cells are recruited to differentiate into erythrocytes (1). CD235a (glycophorin A) is a useful marker to study the developmental biology of hematopoietic progenitor cells (2,3). Antibody A63-B/C2 reacts with an extracellular (peptide) domain of CD235a (glycophorin A).

*References:* **1.** J.G. Mark, et al, (1999) Blood 93: 4425-4435. **2.** N. Debili, et al, (1996) Blood 88: 1284-1296. **3.** B.M. Frey, et al, (1998) Blood 91: 2781-2792.

**STORAGE CONDITIONS:** *Store at 2 - 5<sup>o</sup>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:\_\_\_\_\_

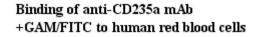
BUFFER: 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl.

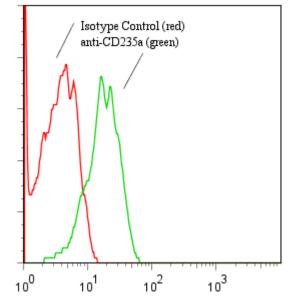
**PRODUCTION:** Antibody from (low FBS containing) tissue culture supernatant was purified to 95% mouse immunoglobulin by SDS-PAGE (<1% bovine immunoglobulin) using size exclusion chromatography. Product was 0.2 µm filtered and vialed under aseptic conditions.

**PERFORMANCE:** Approximately 10n x 10<sup>6</sup> human **red blood cells** were washed and preincubated 5 minutes

with 20 µl of 250 µg/ml human IgG (to block non specific binding) after which they were incubated 45 minutes on ice with 80 µl of anti-CD235a (Glycophorin A) 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); after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.9**  $\log_{10}$  fluorescent units when compared to a Mouse IgM negative control (Catalog # 290-010).

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





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