

PERFORMANCE DATA SHEET

3308

Monoclonal anti- human CD235a (Glycophorin A)***mAb name/Clone:** A63-B/C2**Isotype:** Mouse IgM**Immunogen:** Neuraminidase treated human erythrocytes**CATALOG#:** 122-020**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°C. 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: Approximately 10×10^6 human red blood cells per tube 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 2^0 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.**

Binding of anti-CD235a mAb +GAM/FITC to human red blood cells

