MONOCLONAL ANTIBODY anti-Glycophorin A

Cat. No.	Form	Quantity	Presentation
2210	Purified	0.2 mg	Freeze-dried
2211	PE	100 tests	Liquid 2 mL
2212	FITC	100 tests	Liquid 2 mL

Clone 11E4B7.6

Isotype IgG1, kappa (mouse)

Immunogen Human red blood cells.

Hybridoma Myeloma NS/1-Ag4 x Balb/cJ spleen cells.

Specificity Glycophorin A is a sialoglycoprotein, expressed on human red blood cell membranes and erythroid precursors, including proerythroblasts, and reticulocytes.

Applications Flow cytometry or fluorescent microscopy.

Buffer Freeze-dried form: 1 mg/mL bovine serum albumin in phosphate buffered saline.

Liquid forms: 2 mg/mL bovine serum albumin in phosphate buffered saline containing 0.1 % sodium azide.

Reconstitution and Storage The freeze-dried form may be stored at 2 - 8°C until the expiration date. Reconstitute with 1 mL of distilled water. No preservative has been added. The reconstituted form may be stored at -20°C until the expiration date. Aliquotting is suggested to avoid multiple freeze-thaw cycles. The addition of sodium azide at 0 1 % (w/v) is recommended for storage of the reconstituted form for up to one month at 2 - 8°C.

The conjugated forms should not be frozen and should be stored in the dark at 2 - 8°C until the expiration date stated on the vial label.

Recommended Procedures Flow cytometry:

Freeze-dried form: 2 µg antibody / 5 x10^6 - 5 x 10^7 red blood cells / test (RBCs / test)

For K562 cell line. 2 µg / 5 x 10^5 cells / test.

Liquid forms: 20 µL / 5 x 10^6 - 5 x 10^7 RBCs / test.

Immunohistochemistry:

The reconstituted antibody should be used at 1-2 µg/mL for use on fixed, paraffin-embedded tissue sections.

References

1) Chasis, J A , Reid, M.E., Ronald, H.J., Mohandas, N., "Signal transduction by glycophorin A: role of extracellular and cytoplasmic domains in a modulatable process", 1988, The Journal of Cell Biology, **107**, 1351-1357.

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2) Catimel, B., Wilson, K M., Kemp, B.E., "Kinetics of the autologous red cell agglutination test", 1993, Journal of Immunological Methods, **165**, 183-192

3) Mouneimne, Y., Tosi, P.F., Barhoumi, R , Nicolau, C., "Electroinsertion of xeno proteins in red blood cell membranes yields a long lived protein carrier in circulation", 1991, Biochimica et Biophysica Acta, **1066**, 83-89.