# ANTI-HUMAN GLYCOPHORIN A FITC

**FITC-Conjugated Mouse Monoclonal Antibody Against Human Glycophorin A**
**Clone 2B7**

**Catalog # 10423** **100 tests**

## SPECIFICITY:

Glycophorin A is a major sialoglycoprotein on human red blood cells and is a late marker for erythroid differentiation. Glycophorin A is first detectable on morphologically recognizable erythroid precursors just after the colony-forming Unit Erythroid (CFU-E) stage, and reaches its maximal expression at the late normoblast stage.

Anti-glycophorin is useful in combination with anti-transferrin-receptor (CD71) to identify distinct stages of erythroid differentiation since CD71 expression precedes Glycophorin A expression, but is lost during maturation of normoblasts into mature red blood cells.

## CLONE: 2B7

## ISOTYPE: $IgG_1\kappa$ (mouse)

## FORMAT:

FITC-conjugated antibody in 2 ml phosphate buffered saline (PBS) containing 0.1% (w/v) bovine serum albumin and 0.1% (w/v) sodium azide.

## STABILITY AND STORAGE:

Store at 4ºC. Do not freeze. Product is stable for at least 6 months.

## APPLICATIONS AND DIRECTIONS FOR USE:

Flow cytometry:
Recommended amount per $1x10^6$ cells in a volume of 100 µL: 20 µL
This amount is usually appropriate for staining of samples containing mature red blood cells, but may be too high for staining of immature red blood cells in samples from which mature red blood cells have been removed. We recommend that you determine, by titration, the working dilution that is most appropriate for your application.

Cell separation: Positive selection of glycophorin $A^+$ cells with StemCell's reagents for immunomagnetic cell separation. Please contact us for more information.

**THIS REAGENT IS FOR RESEARCH ONLY.**
**IT IS NOT TO BE ADMINISTERED TO HUMANS.**

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***Hazardous Ingredient: Sodium Azide.*** *Avoid exposure to skin and eyes, ingestion and contact with heat, acids and metals. Wash exposed skin with soap and water. Flush eyes with water. Dilute with running water before discharging into plumbing.*

## REFERENCES

1. Robinson J, Sieff C, Delia D, Edwards PA, Greaves M. Expression of cell-surface HLA-DR, HLA-ABC and glycophorin during erythroid differentiation. Nature 289: 68-71, 1981.

2. Loken MR, Shah VO, Dattilio KL, Civin CI. Flow cytometric analysis of human bone marrow: I. Normal erythroid development. Blood 69,255-263, 1987.