

## DESCRIPTION

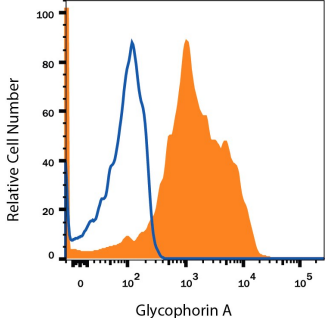
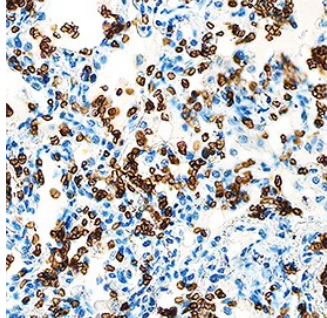
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Glycophorin A, the major sialoglycoprotein expressed on red blood cells and erythroid precursor cells [Greaves, M.F. <i>et al.</i> (1983) <i>Blood</i> <b>61</b> (4):645].
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # R10
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Abelson mouse leukemia virus-induced human pre-B tumor cells
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
<b>Flow Cytometry</b>	0.25 µg/10 <sup>6</sup> cells	See Below
<b>CyTOF-ready</b>	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	
<b>Immunohistochemistry</b>	Rearden, A. <i>et al.</i> (1985) <i>Mol. Immunol.</i> <b>22</b> :369; San Miguel, J.F. <i>et al.</i> (1985) <i>Br. J. Haematol.</i> <b>59</b> :297.	
<b>Immunoprecipitation</b>	Blanchard, D. <i>et al.</i> (1983) <i>Biochem. J.</i> <b>213</b> :399.	

## DATA

<p><b>Flow Cytometry</b></p> 	<p><b>Detection of Glycophorin A in TF-1 Human Cell Line by Flow Cytometry.</b> TF-1 human erythroleukemic cell line was stained with Mouse Anti-Human Glycophorin A Monoclonal Antibody (Catalog # MAB1228, filled histogram) or isotype control antibody (Catalog # MAB002, open histogram), followed by Phycoerythrin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0102B).</p>	<p><b>Immunohistochemistry</b></p> 	<p><b>Glycophorin A in Human Lung.</b> Glycophorin A was detected in immersion fixed paraffin-embedded sections of human lung using Mouse Anti-Human Glycophorin A Monoclonal Antibody (Catalog # MAB1228) at 1.7 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Mouse HRP-DAB Cell &amp; Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). Specific staining was localized to cell membranes of red blood cells. View our protocol for <a href="#">Chromogenic IHC Staining of Paraffin-embedded Tissue Sections</a>.</p>
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## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

Glycophorin A, also designated CD235a, is the major sialoglycoprotein expressed on red blood cells and erythroid precursor cells (1).

### References:

1. Greaves, M.F. *et al.* (1983) *Blood* **61**(4):645.