

Product datasheet for **SM3141P**

Glycophorin A (GYPA) (N-term) Mouse Monoclonal Antibody [Clone ID: HIR2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	HIR2
Applications:	AGG, FC, IHC
Recommended Dilution:	Flow Cytometry: This HIR2 antibody has been tested by flow cytometric analysis of human peripheral blood leukocytes and cell agglutination assay and can be used at approximately 0.1 µg per million cells. Immunohistochemistry on Frozen Sections. Immunohistochemistry on Paraffin Embedded Sections. Agglutination: Clone HIR2 agglutinates untreated RBCs but it fails to agglutinate papain-treated cells.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Synthetic peptide (Human, N-terminal)
Specificity:	The mouse monoclonal antibody HIR2 recognizes an epitope within the N-terminal (extracellular) portion of CD235a (glycophorin A) and CD235b (glycophorin B). Its antigen is expressed on early erythroblasts, late erythroblasts, erythroblasts, mature erythrocytes and the cells of erythroid cell lines K562 and HEL, but not on all other cells.
Formulation:	PBS, pH~7.4 State: Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 15 mM Sodium Azide
Concentration:	lot specific
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.



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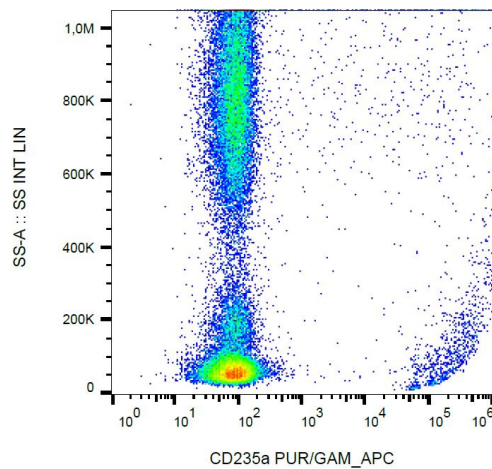
Gene Name: glycophorin A (MNS blood group)

Database Link: [Entrez Gene 2993 Human P02724](#)

Background: CD235a (Glycophorin A, GPA) is a transmembrane sialoglycoprotein expressed on erythrocytes and their precursors. Similarly to glycophorin B (GPB), these molecules provide the cells with a large mucin-like surface, which minimalizes aggregation between erythrocytes in the circulation. GPA is the carrier of blood group M and N specificities, while GPB accounts for S, s and U specificities. CD235a is a receptor of Hsa, an Streptococcus adhesin.

Synonyms: Glycophorin-A, GPA, PAS-2, Sialoglycoprotein alpha, MN sialoglycoprotein

Product images:



Surface staining of human peripheral blood with anti-CD235a (HIR2) purified, GAM-APC.