

CD235a (Glycophorin A) Monoclonal Antibody (HIR2 (GA-R2)), Biotin, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG2b, kappa
Recommended Isotype Control	Mouse IgG2b kappa Isotype Control (eBMG2b), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	HIR2 (GA-R2)
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_494036

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	0.125 µg/test	29 Publications
ELISA (ELISA)	-	1 Publication

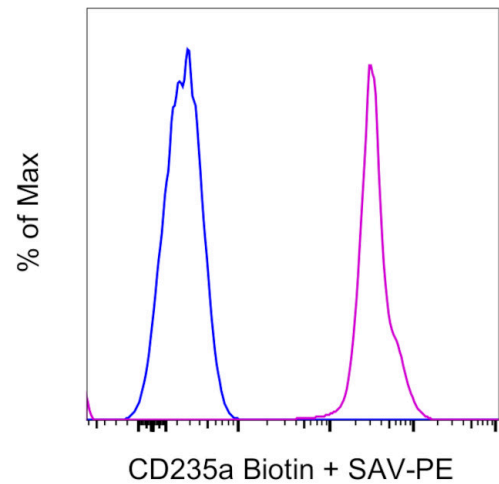
Product Specific Information

Description: The HIR2 monoclonal antibody reacts with human glycophorin A, a sialoglycoprotein expressed by erythroid precursors and mature circulating red cells.

Applications Reported: This HIR2 (also GA-R2) antibody has been reported for use in flow cytometric analysis.

Applications Tested: This HIR2 (also GA-R2) antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. Binding of this antibody to red cells at high antibody concentration causes cell agglutination. This can be used at less than or equal to 0.125 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Filtration: 0.2 µm post-manufacturing filtered.



CD235a (Glycophorin A) Antibody (13-9987-82) in Flow
Normal human peripheral blood cells were stained with Mouse IgG2b kappa Isotype Control, Biotin (Product # 13-4723-82) (blue histogram) or CD235a (Glycophorin A) Monoclonal Antibody, Biotin (purple histogram) followed by Streptavidin PE (Product # 12-4317-87). Cells in the lymphocyte gate were used for analysis.

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Immunocytochemistry (1)

<p>Oncogene</p> <p>Terminal differentiation and loss of tumorigenicity of human cancers via pluripotency-based reprogramming.</p> <p>"Published figure using CD235a (Glycophorin A) monoclonal antibody (Product # 13-9987-82) in Immunofluorescence"</p> <p>Authors: Zhang X,Cruz FD,Terry M,Remotti F,Matushansky I</p>	<p>Year</p> <p>2013</p>
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Flow Cytometry (29)

<p>Annals of translational medicine</p> <p>Human serum albumin promotes self-renewal and expansion of umbilical cord blood CD34⁺ hematopoietic stem/progenitor cells.</p> <p>"Published figure using CD235a (Glycophorin A) monoclonal antibody (Product # 13-9987-82) in Flow Cytometry"</p> <p>Authors: Hua J,Jiao T,Qiao Y,Zhang S,Xiao T,Zhang Y,Yan J</p>	<p>Year</p> <p>2023</p>
<p>Frontiers in cell and developmental biology</p> <p>Autophagy regulated by the HIF/REDD1/mTORC1 signaling is progressively increased during erythroid differentiation under hypoxia.</p> <p>"Published figure using CD235a (Glycophorin A) monoclonal antibody (Product # 13-9987-82) in Flow Cytometry"</p> <p>Authors: Li J,Quan C,He YL,Cao Y,Chen Y,Wang YF,Wu LY</p>	<p>Year</p> <p>2022</p>

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ELISA (1)

<p>Frontiers in physiology</p> <p>Red Cell Properties after Different Modes of Blood Transportation.</p> <p>"13-9987 was used in an ELISA assay to demonstrate that different red blood cell samples may require different shipment settings (including anticoagulants, temperature, and timing)."</p> <p>Authors: Makhro A,Huisjes R,Verhagen LP,Mañú-Pereira Mdel M,Llaudet-Planas E,Petkova-Kirova P,Wang J,Eichler H,Bogdanova A,van Wijk R,Vives-Corrons JL,Kaestner L</p>	<p>Year</p> <p>2016</p> <p>Species</p> <p>Human</p>
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