





# Glycophorin A / CD235 (Erythrocyte Marker); Clone GPHN02 (Concentrate)

<b>Availability/Contents:</b>	<u>Item #</u>	<u>Volume</u>
	RA0129-C.5	0.5 ml
<b>Description:</b>		
Species:	Mouse	
Immunogen:	Human erythrocytes treated with neuraminidase.	
Clone:	GPHN02	
Isotype:	IgM, kappa	
Entrez Gene ID:	2993 & 2994 (Human)	
Hu Chromosome Loc.:	4q31.22	
Synonyms:	Blood group--MN locus; GPA; GP <sub>E</sub> rik; GpM <sub>III</sub> ; GPSAT; GYPA; MN sialoglycoprotein; MNS; PAS2; Sialoglycoprotein alpha	
Mol. Weight of Antigen:	39kDa	
Format:	Bioreactor Concentrate with 0.05% Azide.	
Specificity:	Recognizes a sialoglycoprotein of 39kDa, identified as glycophorin A. It reacts with a peptide epitope on the extracellular domain of human glycophorin.	
Background:	Glycophorin A is present on red blood cells (RBC) and erythroid precursor cells. It has been shown that glycophorins acts as the receptor for Sandei virus and parvovirus.	
Species Reactivity:	Human and Cow. Others not tested.	
Positive Control:	Erythrocytes	
Cellular Localization:	Cell surface	
Titer/ Working Dilution:	Immunohistochemistry (Frozen and Formalin-fixed): 1:50-1:100 Immunofluorescence: 1:50-1:100	
Microbiological State:	This product is not sterile.	

Storage: 2° C  8° C

 ScyTek Laboratories, Inc.  
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**Uses/Limitations:** Not to be taken internally.  
For Research Use Only.  
This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.  
Do not use if reagent becomes cloudy.  
Do not use past expiration date.  
Non-Sterile.

**Ordering Information and Current Pricing at [www.scytek.com](http://www.scytek.com)**

**Procedure:**


1. **Tissue Section Pretreatment (Required):** Staining of formalin fixed, paraffin embedded tissue sections is significantly enhanced by pretreatment with Citrate Plus (ScyTek catalog# CPL500).
2. **Primary Antibody Incubation Time:** We suggest an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user.
3. **Visualization:** For maximum staining intensity we recommend the “UltraTek HRP Anti-Polyvalent Lab Pack” (ScyTek catalog# UHP125, see IFU for instructions) combined with the “DAB Chromogen/Substrate Bulk Pack (High Contrast)” (ScyTek catalog# ACV500, see IFU for instructions).


**Precautions:** Contains Sodium Azide as a preservative (0.09% w/v).  
Do not pipette by mouth.  
Avoid contact of reagents and specimens with skin and mucous membranes.  
Avoid microbial contamination of reagents or increased nonspecific staining may occur.  
This product contains no hazardous material at a reportable concentration according to U.S. 29 CFR 1910.1200, OSHA Hazardous Communication Standard and EC Directive 91/155/EC.

**References:**

1. Cartron JP and Rahuel C. Human erythrocyte glycoporphins: protein and gene structure analyses. *Transfus Med Rev* 1992,6(2):63-92.
2. Gahmberg CG et al. Biosynthesis of the major human red cell sialoglycoprotein, glycoporphin A. A review. *Rev Fr Transfus Immunohematol* 1981,24(1):53-73.
3. Wybenga LE et al. Glycophorin as a receptor for Sendai virus. *Biochemistry* 1996,35(29):9513-8.
4. Rahuel C et al. Post-transcriptional regulation of the cell surface expression of glycoporphins A, B, and E. *J Biol Chem* 1994, 269(52):32752-8.
5. Thacker TC and Johnson FB. Binding of bovine parvovirus to erythrocyte membrane sialoglycoproteins. *J Gen Virol* 1998, 79:2163-9.


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