

For Research Use Only

# Glycophorin A/CD235a Monoclonal antibody

Catalog Number: 66778-1-Ig 1 Publications



## Basic Information

Catalog Number: 66778-1-Ig	GenBank Accession Number: BC005319	Purification Method: Protein A purification
Concentration: 1200 ug/ml	GeneID (NCBI): 2993	CloneNo.: 2B12G10
Source: Mouse	UNIPROT ID: P02724	Recommended Dilutions: WB 1:2000-1:6000 IHC 1:10000-1:40000 IF-P 1:400-1:1600
Isotype: IgG1	Full Name: glycophorin A (MNS blood group)	
Immunogen Catalog Number: AG8635	Calculated MW: 150 aa, 16 kDa Observed MW: 36-38 kDa	

## Applications

Tested Applications: WB, IHC, IF-P, ELISA	Positive Controls:
Cited Applications: WB	WB : human blood tissue,
Species Specificity: human	IHC : human placenta tissue, human stomach cancer tissue, human spleen tissue
Cited Species: human	IF-P : human placenta tissue,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Glycophorin A (GYPA) is the major transmembrane sialoglycoprotein in erythrocytes. It is a dimeric type I transmembrane protein carrying 15 closely clustered O-linked tetrasaccharides capped with sialic acid/N-acetylneuraminic acid (Neu5Ac). This 36 kDa protein represents the major sialoglycoprotein of the red blood cell membrane displaying about one million copies per cell. (PMID: 9490702)

## Notable Publications

Author	Pubmed ID	Journal	Application
Ryosuke Amagai	38308089	J Biochem	WB

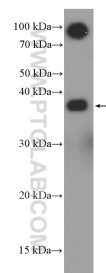
## Storage

Storage:  
Store at -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

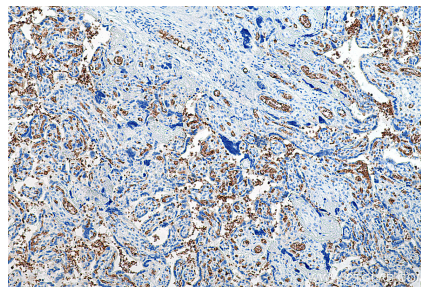
For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

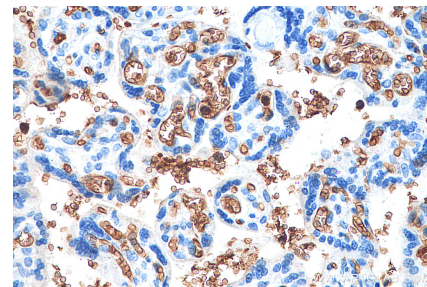
## Selected Validation Data



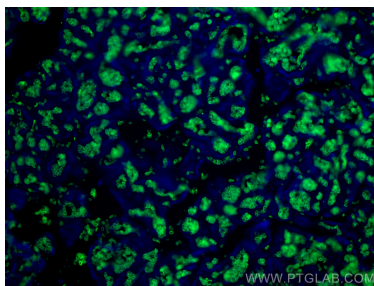
human blood were subjected to SDS PAGE followed by western blot with 66778-1-Ig (GYPA antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



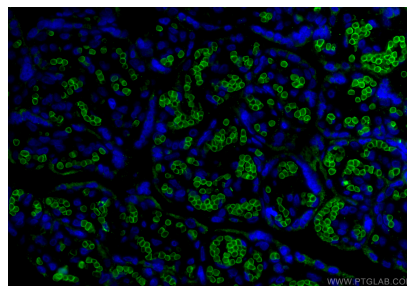
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66778-1-Ig (Glycophorin A antibody) at dilution of 1:20000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66778-1-Ig (Glycophorin A antibody) at dilution of 1:20000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human placenta tissue using Glycophorin A antibody (66778-1-Ig, Clone: 2B12G10) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human placenta tissue using Glycophorin A antibody (66778-1-Ig, Clone: 2B12G10) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).