

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 G purification
Size: 150ul , Concentration: 1200 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	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: WB : human blood tissue, IHC : human placenta tissue, human stomach cancer tissue, human spleen tissue IF-P : human placenta tissue,
Cited Applications: WB	
Species Specificity: human	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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

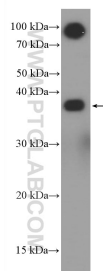
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

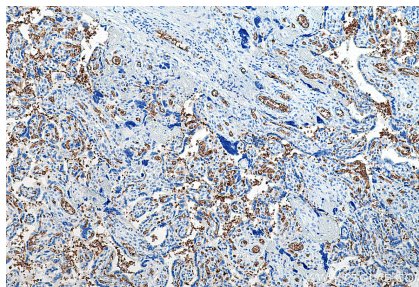
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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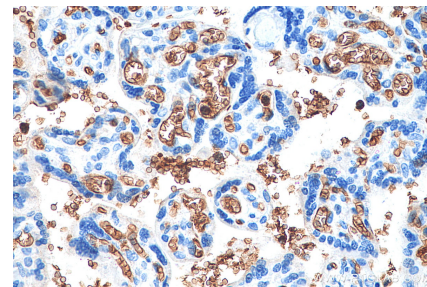
Selected Validation Data



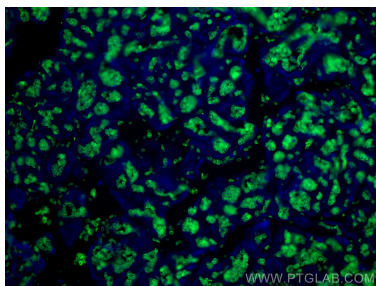
human blood were subjected to SDS PAGE followed by western blot with 66778-1-Ig (GYPA antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



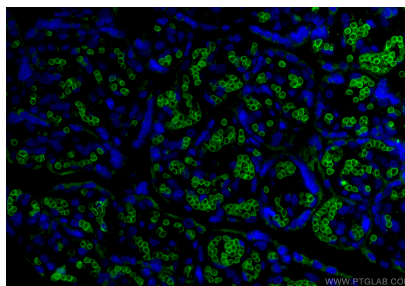
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66778-1-Ig (Glycophorin A antibody) at dilution of 1:20000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).