

For Research Use Only

Glycophorin A/CD235a Monoclonal antibody, PBS Only (Detector)

Catalog Number: 66778-1-PBS



Basic Information

Catalog Number: 66778-1-PBS	GenBank Accession Number: BC005319	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 2993	CloneNo.: 2B12G10
Source: Mouse	UNIPROT ID: P02724	
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, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

66778-1-PBS targets Glycophorin A/CD235a as part of a matched antibody pair:

MP50422-2: 66778-2-PBS capture and 66778-1-PBS detection (validated in Cytometric bead array)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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)

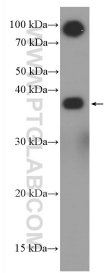
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

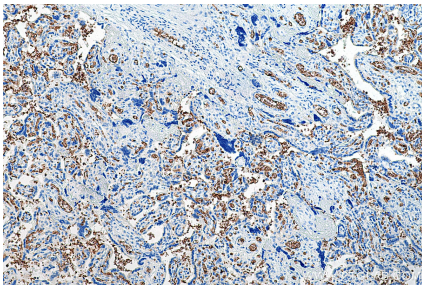
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

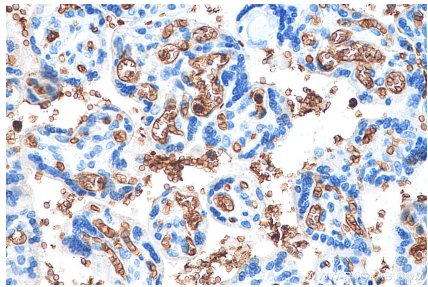
Selected Validation Data



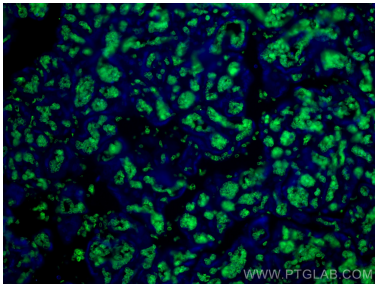
human blood were subjected to SDS PAGE followed by western blot with 66778-1-Ig (GYPA antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66778-1-PBS in a different storage buffer formulation.



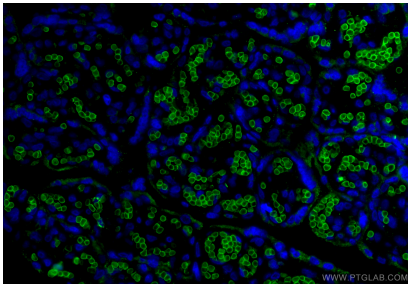
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66778-1-Ig (Glycophorin A antibody) at dilution of 1:20000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66778-1-PBS in a different storage buffer formulation.



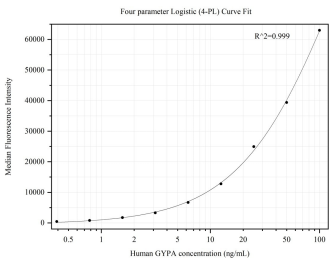
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66778-1-Ig (Glycophorin A antibody) at dilution of 1:20000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66778-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66778-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66778-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP50422-2, GYPA Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 66778-2-PBS. Detection antibody: 66778-1-PBS. Standard:Ag8635. Range: 0.391-100 ng/mL