

Mouse anti-Human, Cow Glycophorin A /CD235a Monoclonal Antibody | anti-GYPA antibody

Glycophorin A /CD235a (Erythrocyte Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62735	Mouse	Human, Cow	Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

Glycophorin A /CD235a; Monoclonal Antibody; Glycophorin A /CD235a (Erythrocyte Marker) Mouse Monoclonal Antibody; Blood group--MN locus; GPA; GPERik; GpMIIII; GPSAT; GYPA; MN sialoglycoprotein; MNS; PAS2; Sialoglycoprotein alpha; anti-GYPA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Cow
Clonality	Monoclonal
Isotype	IgM, kappa
Clone Number	SPM183
Specificity	Recognizes a sialoglycoprotein of 39kDa, identified as glycophorin A. It reacts with a peptide epitope on the extracellular domain of human glycophorin. 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.
Form/Format	1.0 mg/ml of Ab purified from Bioreactor Concentrate. Without BSA & azide at 1.0mg/mL.
Sequence Length	117
Applicable Applications for anti-GYPA antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), Erythrocyte Agglutination
Cellular Localization	Cell Surface
Immunogen	Human erythrocytes treated with neuraminidase
Hu-Chromosome Location	4q31.22
Positive Control	Erythrocytes
Preparation and Storage	Antibody without azide - store at -20 to -80°C. Non-hazardous. No MSDS required.

ADDITIONAL INFORMATION

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

NCBI GI #	815891063
NCBI GeneID	2993

NCBI Accession #	NP_001295119.1
NCBI GenBank Nucleotide #	NM_001308190.1
UniProt Accession #	P02724 ; Q9BS51 ; A8K3E6 ; B8Q182 ; B8Q185
Molecular Weight	39kDa
NCBI Official Full Name	glycophorin-A isoform 3
NCBI Official Synonym Full Names	glycophorin A (MNS blood group)
NCBI Official Symbol	GYPA
NCBI Official Synonym Symbols	MN; GPA; MNS; GPSAT; PAS-2; CD235a; GPErik; HGpMiV; HGpMiXI; HGpSta(C)
NCBI Protein Information	glycophorin-A
UniProt Protein Name	Glycophorin-A
UniProt Gene Name	GYPA
UniProt Synonym Gene Names	GPA
UniProt Entry Name	GLPA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/glycophorin-a-cd235a-antibody-clone-spm183-immunofluorescence-flow-cytometry-elisa/62735>