

Mouse anti-Human Glycophorin A Monoclonal Antibody | anti-GYPA antibody

Mouse Anti-Human Glycophorin A-UNLB

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78626	Mouse	Human	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

Glycophorin A; Monoclonal Antibody; Mouse Anti-Human Glycophorin A-UNLB; Mouse Anti-Human Glycophorin A; anti-GYPA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	CMRF14
Specificity	Human glycophorin A Glycophorin A (GPA) is a 36 kDa sialoglycoprotein that is the most predominant sialoglycoprotein of the erythroid lineage. GPA is the major contributor to the net negative surface charge of the mature red blood cell (RBC) membrane thereby minimizing cell to cell interactions in circulation. The monoclonal antibody CMRF14 binds to glutaraldehyde fixed or neuraminidase treated erythrocytes but not to papain, trypsin or pronase treated erythrocytes. ^{1, 2}
Form/Format	Purified (UNLB) Antibody
Concentration	0.1mg/ml (varies by lot)
Applicable Applications for anti-GYPA antibody	FCM/FACS (Flow Cytometry)
Characterization	To insure lot to lot consistency, each batch of product is tested by flow cytometry to conform with the characteristics of a standard reference reagent.
Warning	Reagents contain sodium azide which is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.
Preparation and Storage	The purified (UNLB) antibody is supplied as 0.1 mg purified immunoglobulin in 1.0 mL of 100 mM borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added. Store at 2-8 degree C.

ADDITIONAL INFORMATION

References	1. Chasis, J.A., and N. Mohandas. 1992. Blood. 80:1869. 2. Langlois, R.G., W.L. Bigbee, and R.H. Jensen. 1985. J. Immunol. 134:4009.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	298286506
NCBI GeneID	2993

NCBI Accession #	NP_002090.4
NCBI GenBank Nucleotide #	NM_002099.6
UniProt Accession #	P02724 ; Q9BS51 ; A8K3E6 ; B8Q182 ; B8Q185
Molecular Weight	16,331 Da
NCBI Official Full Name	glycophorin-A
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; GP _E rik; HGpMiV; HGpMiXI; HGpSta(C)
NCBI Protein Information	glycophorin-A; glycophorin Mil; glycophorin MiV; glycophorin SAT; glycophorin Erik; glycophorin A, GPA; MN sialoglycoprotein; glycophorin Sta type C; sialoglycoprotein alpha; Mi.V glycoprotein (24 AA); glycophorin A (MN blood group); recombinant glycophorin A-B Miltenberger-DR; erythroid-lineage-specific membrane sialoglycoprotein
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-antibody-clone-cmrf14-flow-cytometry-elisa/78626>