Recombinant human Glycophorin-A

Catalog No: #AP72586

Package Size: #AP72586-1 20ug #AP72586-2 100ug #AP72586-3 1mg

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Description

Product Name	Recombinant human Glycophorin-A
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:20-91aaSequence Info:Extracellular Domain
Other Names	MN sialoglycoprotein;PAS-2Sialoglycoprotein alpha; CD235a
Accession No.	A0A0C4DFT7
Uniprot	A0A0C4DFT7
Calculated MW	9.9 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	LSTTEVAMHTSTSSSVTKSYISSQTNDTHKRDTYAATPRAHEVSEISVRTVYPPEEETGERVQLAHHFSEPE
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Glycophorin A is the major intrinsic mbrane protein of the erythrocyte. The N-terminal glycosylated segment, which lies outside the erythrocyte mbrane, has MN blood group receptors. Appears to be important for the function of SLC4A1 and is required for high activity of SLC4A1. May be involved in translocation of SLC4A1 to the plasma mbrane. Is a receptor for influenza virus. Is a receptor for Plasmodium falciparum erythrocyte-binding antigen 175 (EBA-175); binding of EBA-175 is dependent on sialic acid residues of the O-linked glycans. Appears to be a receptor for Hepatitis A virus (HAV).

References

Hsa, an adhesin of Streptococcus gordonii DL1, binds to alpha2-3-linked sialic acid on glycophorin A of the erythrocyte membrane.Yajima A., Urano-Tashiro Y., Shimazu K., Takashima E., Takahashi Y., Konishi K.Microbiol. Immunol. 52:69-77(2008)Research Topic:Cardiovascular

Note: This product is for in vitro research use only