

Anti-Glycophorin A / CD235a (Erythrocyte Marker) Antibody
Mouse Monoclonal Antibody
Catalog # AH13285**Specification****Anti-Glycophorin A / CD235a (Erythrocyte Marker) Antibody - Product Information**

Application	IHC-P, IF, FC
Primary Accession	P02724
Other Accession	434973 , 654368 , 2994
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1, kappa
Calculated MW	16430

Anti-Glycophorin A / CD235a (Erythrocyte Marker) Antibody - Additional Information**Gene ID** 2993**Other Names**

Blood group--MN locus; GPA; GPERik; GpMilli; GPSAT; GYPa; MN sialoglycoprotein; MNS; PAS2;
Sialoglycoprotein alpha

Application Note

IHC-P ~ ~ N/A
IF ~ ~ 1:50 ~ 200
FC ~ ~ 1:10 ~ 50

Format

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage

Store at 2 to 8°C. Antibody is stable for 24 months.

Precautions

Anti-Glycophorin A / CD235a (Erythrocyte Marker) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-Glycophorin A / CD235a (Erythrocyte Marker) Antibody - Protein Information**Name** GYPa ([HGNC:4702](#))**Function**

Component of the ankyrin-1 complex, a multiprotein complex involved in the stability and shape of the erythrocyte membrane (PubMed: <http://www.uniprot.org/citations/35835865> target="_blank">35835865). Glycophorin A is the major intrinsic membrane protein of the erythrocyte. The N-terminal glycosylated segment, which lies outside the erythrocyte membrane, 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 membrane.

Cellular Location

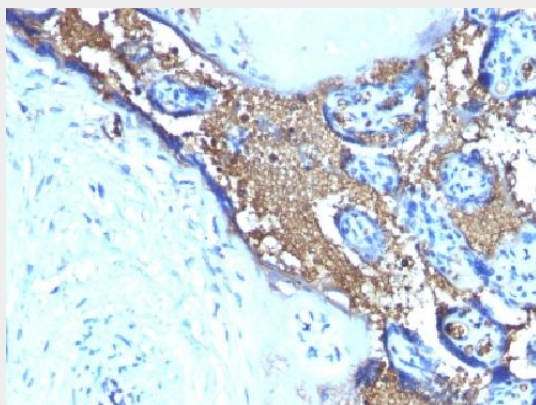
Cell membrane; Single-pass type I membrane protein Note=Appears to be colocalized with SLC4A1

Anti-Glycophorin A / CD235a (Erythrocyte Marker) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Glycophorin A / CD235a (Erythrocyte Marker) Antibody - Images



Formalin-fixed, paraffin-embedded human Placenta Stained with Glycophorin A Monoclonal Antibody (JC159)

Anti-Glycophorin A / CD235a (Erythrocyte Marker) Antibody - Background

Recognizes a sialoglycoprotein of 39kDa, identified as glycophorin A (GPA). It is present on red blood cells (RBC) and erythroid precursor cells. It has been shown that glycophorin acts as the receptor for Sandei virus and parvovirus. Glycophorins A (GPA) and B (GPB), which are single, trans-membrane sialoglycoproteins. GPA is the carrier of blood group M and N specificities, while GPB accounts for S and U specificities. GPA and GPB provide the cells with a large mucin like surface and it has been suggested this provides a barrier to cell fusion, so minimizing aggregation between red blood cells in the circulation.