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GYPA / CD235a / Glycophorin A Antibody (clone YTH89.1)

Rat Monoclonal Antibody
Catalog # ALS16981

Specification

GYPA / CD235a / Glycophorin A Antibody (clone YTH89.1) - Product Information

Application	**IHC**
Primary Accession	P02724
Other Accession	2993
Reactivity	**Human**
Host	**Rat**
Clonality	**Monoclonal**
Isotype	**IgG2b**
Calculated MW	**16331**

GYPA / CD235a / Glycophorin A Antibody (clone YTH89.1) - Additional Information

Gene ID 2993

Other Names
GYPA, CD235a, CD235a antigen, Glycophorin A (MN blood group), Glycophorin A, GPA, Glycophorin-A, GPA, GPErik, GPSAT, Glycophorin MiV, Glycophorin SAT, HGpMiX, HGpMiXI, HGpMiV, HGpSta(C), Glycophorin MiI, GpMiIII, MN, HGpMiIII, MN sialoglycoprotein, S ...

Reconstitution & Storage
PBS, 0.09% sodium azide. Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions
GYPA / CD235a / Glycophorin A Antibody (clone YTH89.1) is for research use only and not for use in diagnostic or therapeutic procedures.

GYPA / CD235a / Glycophorin A Antibody (clone YTH89.1) - Protein Information

Name GYPA (HGNC:4702)

Synonyms GPA

Function
Component of the ankyrin-1 complex, a multiprotein complex involved in the stability and shape of the erythrocyte membrane (PubMed: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

Volume
50 µl

GYPA / CD235a / Glycophorin A Antibody (clone YTH89.1) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GYPA / CD235a / Glycophorin A Antibody (clone YTH89.1) - Images



Anti-GYPA / CD235a / Glycophorin A antibody IHC staining of human erythrocytes.

GYPA / CD235a / Glycophorin A Antibody (clone YTH89.1) - Background

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. 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).

GYPA / CD235a / Glycophorin A Antibody (clone YTH89.1) - References

Siebert P.D.,et al.Proc. Natl. Acad. Sci. U.S.A. 83:1665-1669(1986).
Tate C.G.,et al.Biochem. J. 254:743-750(1988).
Kudo S.,et al.Proc. Natl. Acad. Sci. U.S.A. 86:4619-4623(1989).
Jawad K.,et al.Nucleic Acids Res. 18:5829-5836(1990).
Kudo S.,et al.J. Biochem. 116:183-192(1994).