

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-P, IHC-F, FC
Primary Accession	P02724
Other Accession	2993
Reactivity	Human
Host	Rat
Clonality	Monoclonal
Isotype	IgG2b
Calculated MW	16430
Dilution	IHC-P~~N/A IHC-F~~N/A FC~~1:10~50

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 Mil, 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](#))**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

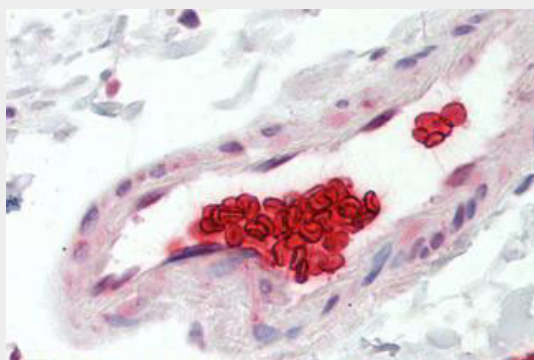
Volume
50 µl

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 Cytometry](#)
- [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).