

Mouse Anti-CD235a/Glycophorin A [GYPA/280]: MC0651, MC0651RTU7

Intended Use: For Research Use Only

Description: CD235a or 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).

Specifications

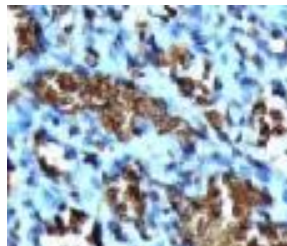
Clone: GYPA/280
 Source: Mouse
 Isotype: IgG1k
 Reactivity: Human
 Localization: Membrane
 Formulation: Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN₃)
 Storage: Store at 2°- 8°C
 Applications: IHC, Flow Cyt., ICC/IF
 Package:

Description	Catalog No.	Size
CD235a/Glycophorin A Concentrated	MC0651	1 ml
CD235a/Glycophorin A Prediluted	MC0651RTU7	7 ml

IHC Procedure*

Positive Control Tissue: Placenta, spleen
 Concentrated Dilution: 50-200
 Pretreatment: Citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human angiosarcoma stained with anti-CD235a using DAB

References:

1. Proper cytoskeletal architecture beneath the plasma membrane of red blood cells requires Ttl4. Ijaz F, et al. Mol Biol Cell 28:535-544, 2017.
2. Near-infrared autofluorescence induced by intraplaque hemorrhage and heme degradation as marker for high-risk atherosclerotic plaques. Htun NM, et al. Nat Commun 8:75, 2017.
3. CAL2 Immunohistochemical Staining Accurately Identifies CALR Mutations in Myeloproliferative Neoplasms. Nomani L, et al. Am J Clin Pathol 146:431-8, 2016.
4. Glycophorin A expression in malignant hematopoiesis. Liszka, K., et al., Am. J. Hematol. 15: 219-226, 1983.
5. A as a cell surface marker of early erythroid differentiation in acute leukemia. Andersson, L.C., et al. Glycophorin Int. J. Cancer 23: 717-720, 1979.

Doc. 100-MC0651
Rev. A