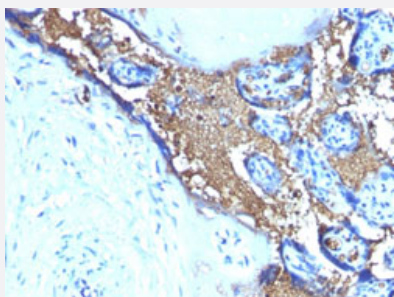


GYPA monoclonal antibody, clone JC159

Catalog # MAB14553 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human placenta with GYPA monoclonal antibody, clone JC159 (Cat # MAB14553).

Specification

Product Description Mouse monoclonal antibody raised against native human GYPA.

Immunogen Formalin fixed membrane from a Hairy cell leukemia.

Host Mouse

Theoretical MW (kDa) 39

Reactivity Human

Form Liquid

Purification Protein A/G purification

Isotype IgG1, kappa

Recommend Usage
 Flow Cytometry (0.5-1 ug/10⁶ cells)
 Immunofluorescence (0.5-1 ug/mL)
 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.25-0.5 ug/mL)
 The optimal working dilution should be determined by the end user.

Storage Buffer In 10 mM PBS (0.05% BSA, 0.05% sodium azide).

Storage Instruction

Store at 4°C.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human placenta with GYPA monoclonal antibody, clone JC159 (Cat # MAB14553).

- Immunofluorescence

- Flow Cytometry

Gene Info — GYPA

Entrez GeneID

[2993](#)

Protein Accession#

[P02724](#)

Gene Name

GYPA

Gene Alias

CD235a, GPA, GPERik, GPSAT, GpMiIII, HGpMiIII, HGpMiV, HGpMiX, HGpMiXI, HGpSta(C), MN, MNS

Gene Description

glycophorin A (MNS blood group)

Omim ID

[111300 611162](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

Glycophorins A (GYPA) and B (GYPB) are major sialoglycoproteins of the human erythrocyte membrane which bear the antigenic determinants for the MN and Ss blood groups. In addition to the M or N and S or s antigens that commonly occur in all populations, about 40 related variant phenotypes have been identified. These variants include all the variants of the Miltenberger complex and several isoforms of Sta, as well as Dantu, Sat, He, Mg, and deletion variants Ena, S-s-U- and Mk. Most of the variants are the result of gene recombinations between GYPA and GYPB. [provided by RefSeq]

Other Designations

Mi.V glycoprotein (24 AA)|erythroid-lineage-specific membrane sialoglycoprotein|glycophorin A|glycophorin A (MN blood group)|glycophorin A MNS blood group|glycophorin A, GPA|glycophorin E rik|glycophorin Mi|glycophorin MiIII|glycophorin MiV|glycophorin Mi

Publication Reference

- [Glycophorin A expression in malignant hematopoiesis.](#)

Liszka K, Majdic O, Bettelheim P, Knapp W.

American Journal of Hematology 1983 Nov; 15(3):219.

- [Glycophorin A as a cell surface marker of early erythroid differentiation in acute leukemia.](#)

Andersson LC, Gahrnberg CG, Teerenhovi L, Vuopio P.

International Journal of Cancer 1979 Dec; 24(6):717.

Application: IF, IP, Human, Leukemic blasts, Erythrocytes

Pathway

- [Hematopoietic cell lineage](#)

Disease

- [Asthma](#)
- [Crohn Disease](#)
- [Genetic Predisposition to Disease](#)
- [Malaria](#)