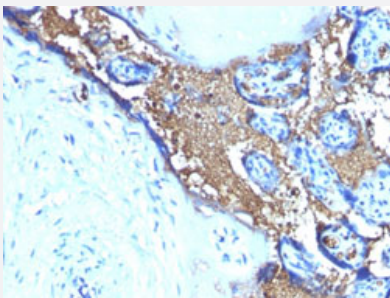


GYPA monoclonal antibody, clone JC159

Catalog # MAB14809 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 # MAB14809).

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/10 ⁶ 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.

Storage Instruction

Store at -20 to -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human placenta with GYPA monoclonal antibody, clone JC 159 (Cat # MAB14809).

- 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, Gahmberg 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](#)