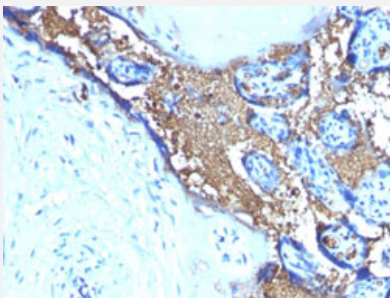


# GYPA monoclonal antibody, clone SPM599

Catalog # MAB13058      Size 100 ug

## Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human placenta using GYPA monoclonal antibody, clone SPM599 (Cat # MAB13058).

## Specification

|                             |                                                                                                                                                                                                                                                      |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Mouse monoclonal antibody raised against full length recombinant human GYPA.                                                                                                                                                                         |
| <b>Immunogen</b>            | Recombinant protein corresponding to full length human GYPA.                                                                                                                                                                                         |
| <b>Host</b>                 | Mouse                                                                                                                                                                                                                                                |
| <b>Theoretical MW (kDa)</b> | 39                                                                                                                                                                                                                                                   |
| <b>Reactivity</b>           | Human                                                                                                                                                                                                                                                |
| <b>Form</b>                 | Liquid                                                                                                                                                                                                                                               |
| <b>Purification</b>         | Protein A/G purification                                                                                                                                                                                                                             |
| <b>Isotype</b>              | IgG1, kappa                                                                                                                                                                                                                                          |
| <b>Recommend Usage</b>      | Flow Cytometry (0.5-1 ug/million cells in 0.1 mL)<br>Immunofluorescence (0.5-1 ug/mL)<br>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.25-0.5 ug/mL)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>       | 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 using GYPA monoclonal antibody, clone SPM599 (Cat # MAB13058).

- 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

## Pathway

- [Hematopoietic cell lineage](#)

## Disease

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