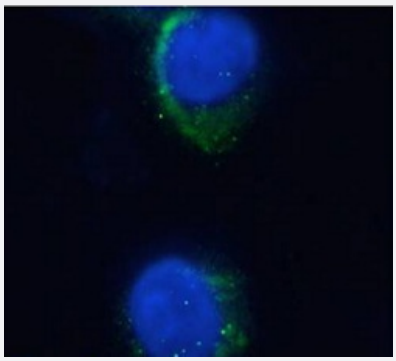
RecomAb™

# GYPA recombinant monoclonal antibody, clone M2A1

Catalog # RAB03493 Size 200 ug

## Applications



### Immunofluorescence

Immunofluorescenct staining of K562 cells with GYPA recombinant monoclonal antibody, clone M2A1 (Cat # RAB03493).
Immunofluorescence analysis of paraformaldehyde fixed K562 cells permeabilized with 0.15% Triton stained with the chimeric mouse IgG1 version of RAB03493 at 10 ug/mL for 1h followed by Alexa Fluor® 488 secondary antibody (2 ug/mL), showing membrane staining. The nuclear stain is DAPI (blue). The isotype control was stained with anti-unknown specificity antibody followed by Alexa Fluor® 488 secondary antibody.

## Specification

| | |
|---|---|
| **Product Description** | Mouse recombinant monoclonal antibody raised against human GYPA. |
| **Antibody Species** | Mouse |
| **Immunogen** | Original antibody is raised against human red blood cells of the M phenotype prepared by immunzing BALB/c mice. |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Isotype** | IgG1 kappa |
| **Recommend Usage** | ELISA<br>Inhibition Assay<br>Immunofluorescence<br>The optimal working dilution should be determined by the end user. |

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|---|---|
| **Storage Buffer** | In PBS with 0.02% Proclin 300 |
| **Storage Instruction** | Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing. |

## Applications

- Immunofluorescence

  Immunofluorescenct staining of K562 cells with GYPA recombinant monoclonal antibody, clone M2A1 (Cat # RAB03493). Immunofluorescence analysis of paraformaldehyde fixed K562 cells permeabilized with 0.15% Triton stained with the chimeric mouse IgG1 version of RAB03493 at 10 ug/mL for 1h followed by Alexa Fluor® 488 secondary antibody (2 ug/mL), showing membrane staining. The nuclear stain is DAPI (blue). The isotype control was stained with anti-unknown specificity antibody followed by Alexa Fluor® 488 secondary antibody.

- Enzyme-linked Immunoabsorbent Assay

- Inhibition Assay

## Gene Info — GYPA

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|---|---|
| **Entrez GeneID** | 2993 |
| **Gene Name** | GYPA |
| **Gene Alias** | CD235a, GPA, GPErik, GPSAT, GpMilll, HGpMilll, 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 me mbrane 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 phenot ypes 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 b y RefSeq |
| **Other Designations** | Mi.V glycoprotein (24 AA)\|erythroid-lineage-specific membrane sialoglycoprotein\|glycophorin A\|gl ycophorin A (MN blood group)\|glycophorin A MNS blood group\|glycophorin A, GPA\|glycophorin E rik\|glycophorin Mil\|glycophorin Milll\|glycophorin MiV\|glycophorin Mi |

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## Pathway

- Hematopoietic cell lineage

## Disease

- Asthma
- Crohn Disease
- Genetic Predisposition to Disease
- Malaria

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