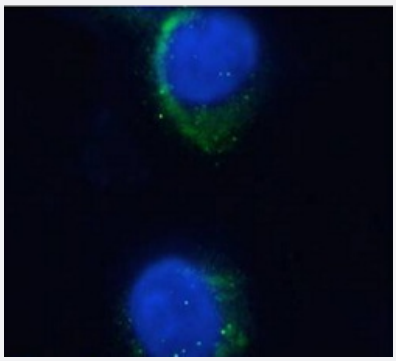
RecomAb™

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
Isotype	IgG1 kappa
Recommend Usage	ELISA Inhibition Assay Immunofluorescence The optimal working dilution should be determined by the end user.
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

Entrez GeneID	2993
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 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 MiI|glycophorin MiIII|glycophorin MiV|glycophorin Mi

Pathway

- Hematopoietic cell lineage

Disease

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