GYPA monoclonal antibody, clone CMRF14

Catalog # MAB8551 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against full length native GYPA.
Immunogen	Native purified GYPA from human Red blood cells.
Host	Mouse
Reactivity	Human
Specificity	This antibody is specific to GYPA.
Form	Liquid
Isotype	IgG2b
Recommend Usage	Flow cytometry (1 ug/10^6 cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS
Storage Instruction	Store at 4°C.

Applications

- Flow Cytometry

Gene Info — GYPA

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 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 Erik|glycophorin MiI|glycophorin MiIII|glycophorin MiV|glycophorin Mi

Publication Reference

- Red blood cell glycophorins.

  Chasis JA, Mohandas N.

  Blood 1992 Oct; 80(8):1869.

- Flow cytometric characterization of normal and variant cells with monoclonal antibodies specific for glycophorin A.

  Langlois RG, Bigbee WL, Jensen RH.

  Journal of Immunology 1985 Jun; 134(6):4009.

  Application: Flow Cyt, Chimpanzee, Human, Chimpanzee erythrocytes, K-562 cells

Pathway

- Hematopoietic cell lineage

Disease

- Asthma
- Crohn Disease

- Genetic Predisposition to Disease
- Malaria