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Datasheet

GYPA monoclonal antibody, clone CMRF14

Catalog Number: MAB8551

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against full length native GYPA.

Clone Name: CMRF14

Immunogen: Native purified GYPA from human Red blood cells.

Host: Mouse

Reactivity: Human

Applications: Flow Cyt
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

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.

Entrez GeneID: 2993

Gene Symbol: GYPA

Gene Alias: CD235a, GPA, GPErik, GPSAT, GpMiIII, HGpMiIII, HGpMiV, HGpMiX, HGpMiXI, HGpSta(C), MN, MNS

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]

References:

1. Red blood cell glycophorins. Chasis JA, Mohandas N. Blood. 1992 Oct 15;80(8):1869-79.
2. Flow cytometric characterization of normal and variant cells with monoclonal antibodies specific for glycophorin A. Langlois RG, Bigbee WL, Jensen RH. J Immunol. 1985 Jun;134(6):4009-17.