

Datasheet

GYPA monoclonal antibody, clone HIR2 (PE)

Catalog Number: MAB4393

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against synthetic peptide of GYPA.

Clone Name: HIR2

Immunogen: A synthetic peptide corresponding to N-terminus of human GYPA.

Host: Mouse

Reactivity: Human

Applications: Agg, Flow Cyt, IHC-Fr
(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 recognizes N-terminal portion of glyphorin A (and weakly of glyphorin B). Its antigen is expressed on early erythroblasts, late erythroblasts, erythroblasts, mature erythrocytes and the cells of erythroid cell lines K562 and HEL, but not on all other cells.

Form: Liquid

Conjugation: PE

Isotype: IgG2b

Recommend Usage: Flow Cytometry (20 ul in human blood cells 100 ul in whole blood or 10^6 cells in a suspension)

The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.2% BSA, 0.09% sodium azide)

Storage Instruction: Store in the dark at 4°C. Do not

freeze.

Avoid prolonged exposure to light.

Aliquot to avoid repeated freezing and thawing.

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. Cell surface antigen expression in human erythroid progenitors: erythroid and megakaryocytic markers. Nakahata T, Okumura N. Leuk Lymphoma. 1994 May;13(5-6):401-9.