Mouse anti Human CD235ab Purified

PRODUCT INFORMATION

CLONE: HIR2
ISOTYPE: Mouse IgG2b κ
WS.No.: VII 70299
CATALOG#: A7061/A7061-bulk
CONTENTS: Purified antibody buffered in 10mM PBS (pH 7.0) with 0.1% NaN_3.

DESCRIPTION

CD235ab McAb recognizes N-terminal, homologous portion of glycophorins A (GPA) and B (GPB) which are single-pass membrane sialoglycoprotein. GPA is the carrier of blood group M and N specificities, while GPB accounts for S, s and U specificities. GPA and GPB provide the cells with a large mucin-like surface and it has been suggested this provides a barrier to cell fusion, so minimizing aggregation between red blood cells in the circulation, CD235ab McAb agglutinated untreated RBCs but failed to agglutinate papain-treatd cells, and CD235ab McAb HIR2 significantly binds to GPA, but weakly to GPB. HIR2 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. Mature erythrocytes are characteristically CD235ab positive and CD45 and CD71 all negative.

PREPARATION

The monoclonal antibody is purified from ascites by protein G affinity chromatography.

USAGE

The purified reagent is effective for indirect immunofluorescence staining of human cells for flow cytometric analysis and is tested for immunohistochemical staining of acetone-fixed frozen sections and formalin–fixed paraffin sections.

STORAGE

Store at 4℃. For long-term storage aliquot and store at -20℃. Avoid freeze and thaw cycles.

REFERENCES

Shen DC., Tang MH., Zhang JX., et al., 1993. HIR2：A monoclonal antibody against glycophorin A. J. of Monoclonal Antibody. 1993；9（2）：59
David M., A. Pascale, B. Armand, et al., 2002. Leucocyte Typing VII: White Cell Differentiation Antigens. P577-582.

Use For Research Only