
CD235ab (HIR2) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 250984

Unit: 0.1 mg

Description:

The CD235ab (HIR2) antibody recognizes a N-terminal homologous portion of glycophorin-A (GPA) and glycophorin-B (GPB), which are single-pass membrane sialoglycoproteins. 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 acting as a barrier to cell fusion, therefore minimizing aggregation between red blood cells in the circulation. The CD235ab (HIR2) antibody agglutinates untreated RBC but failed to agglutinate papain-treated cells. This antibody primarily binds to GPA and weakly to GPB. CD235ab 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 CD235ab positive whereas CD45 and CD71 negative.

Isotype: mouse IgG2b

Applications: E, FC, IHC

Species Reactivity: H

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: CD235ab; CD235a; Glycophorin-A; PAS-2; Sialoglycoprotein alpha; MN sialoglycoprotein; GYPA; GPA; CD235B; Glycophorin-B; PAS-3; Sialoglycoprotein delta; SS-active sialoglycoprotein; GYPB; GPB

Accession No.: P02724, P06028

Application Notes: Purified antibody is suitable for immunohistochemistry with acetone-fixed frozen and formalin-fixed paraffin sections. E: 1:500-1:1,000; FC: 1:200-1:1,000; IHC: 1:200-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

Product Citations: Shen DC., et al. 1993. J. of Monoclonal Antibody. 9(2): 59; David M., et al. 2002. Leucocyte Typing VII: White Cell Differentiation Antigens. P577-582.

For research use only, not for diagnostic or therapeutic procedures.