CD235a (HI264) Antibody

Subcategory: Mouse Monoclonal Antibody, PE-conjugated Antibody
Cat. No.: 251095
Unit: 2 ml

Description:
The CD235a (HI264) antibody recognizes glycophorin-A (GPA), a single-pass membrane sialoglycoprotein. CD235a is the carrier of blood group M and N specificities, which provide the cells with a large mucin-like surface acting as a barrier to cell fusion by minimizing aggregation between red blood cells in the circulation. CD235a is also a membrane inhibitor of reactive lysis. CD235a 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 CD235a positive but CD45 and CD71 negative. CD235a is a receptor for influenza virus, Plasmodium falciparum EBA-175 and hepatitis A virus. The CD235a (HI197) antibody recognizes papain-sensitive epitopes located in the extracellular specific domain of CD235a, and therefore agglutinating papain-treated cells.

Isotype: mouse IgG2a
Applications: FC
Species Reactivity: H
Format: Each vial contains 2 ml IgG (100 tests) in PBS pH7.4, 0.1% BSA with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.
Alternate Names: CD235a; Glycophorin-A; PAS-2; Sialoglycoprotein alpha; MN sialoglycoprotein; GYPA; GPA
Accession No.: P02724

Application Notes: FC with whole blood: 100 ?l blood + 20 ?l antibody; FC with cells: 10E6 cells + 20 ?l antibody. FC: 1:200-1:1,000

Storage: Store at 4°C. Product is guaranteed 6 months from the date of shipment.

Product Citations: David M., et al. 2002. Leucocyte Typing VII: White Cell Differentiation Antigens. P577-582.

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