

PE anti-human CD235a (Glycophorin A) Recombinant Antibody

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| Catalog# / Size | 379009 / 25 tests 379010 / 100 tests |
| Clone | QA19A08 |
| Regulatory Status | RUO |
| Other Names | PAS-2, Sialoglycoprotein alpha, MN sialoglycoprotein, Glycophorin A, MNS blood group, GYPA |
| Isotype | Mouse IgG2a, κ |
| Description | CD235a (Glycophorin A) is member of the glycophorin A family. It is a type I sialoglycoprotein with a molecular weight of 10 kD, present in the cell membrane as a homodimer. Glycophorin A is expressed by erythroid precursors and erythrocytes. It carries the antigen determinants for the MNS blood groups and has been proposed to be an inhibitor of hemagglutination and hemolysis. Glycophorin A binds siglec 5, the erythrocyte binding antigen (EBA-175) of <i>P. falciparum</i> and some viruses, including influenza virus and hepatitis A virus. |

Product Details

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| Verified Reactivity | Human |
| Antibody Type | Recombinant |
| Host Species | Mouse |
| Formulation | Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA) |
| Preparation | The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions. |
| Concentration | Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our Certificate of Analysis online tool.) |
| Storage & Handling | The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze. |
| Application | FC - Quality tested |
| Recommended Usage | Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. |
| Excitation Laser | Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm) |
| RRID | AB_3699025 (BioLegend Cat. No. 379009) AB_3699025 (BioLegend Cat. No. 379010) |

Antigen Details

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|------------------------|---|
| Structure | Member of the glycophorin A family; type I protein with a molecular weight of 10 kD; present in the membrane as homodimer |
| Distribution | Erythrocytes and erythroid precursors |
| Function | Possible inhibitor of hemagglutination and hemolysis; carries the antigen determinants for the MNS blood groups |
| Ligand/Receptor | Siglec 5, erythrocyte binding antigen (EBA-175) of <i>P. falciparum</i> , receptor for the influenza virus, |

hepatitis A virus

Antigen References

1. Reid ME. 2009. *Immunohematology*. 25:95-101.
2. Palacajornsuk P. 2006. *Immunohematology*. 22:171-82.
3. Pasvol G. 2003. *Trends Parasitol*. 19:430-2.
4. Takakuwa Y. 2001. *Curr Opin Hematol*. 8:80-4.

Gene ID [2993](#)

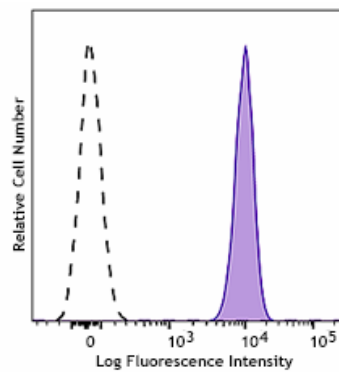
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-human CD235a (Glycophorin A) Recombinant Antibody, APC anti-human CD235a (Glycophorin A) Recombinant Antibody, Pacific Blue™ anti-human CD235a (Glycophorin A) Recombinant Antibody, APC/Cyanine7 anti-human CD235a (Glycophorin A) Recombinant Antibody, PE anti-human CD235a (Glycophorin A) Recombinant Antibody, PE/Cyanine7 anti-human CD235a (Glycophorin A) Recombinant, PerCP/Cyanine5.5 anti-human CD235a (Glycophorin A) Recombinant, FITC anti-human CD235a (Glycophorin A) Recombinant Antibody

Product Data



Human red blood cells were stained with anti-human CD235a (Glycophorin A) recombinant (clone QA19A08) PE (filled histogram) or mouse IgG2a, κ PE isotype control (open histogram).

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