

PE/Cyanine7 anti-human CD235a (Glycophorin A) Recombinant

Catalog# / Size	379011 / 25 tests 379012 / 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

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/Cyanine7 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_3699026 (BioLegend Cat. No. 379011) AB_3699026 (BioLegend Cat. No. 379012)

Antigen Details

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](#)

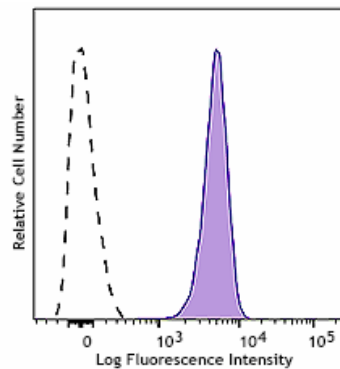
Related Protocols

- [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/Cyanine7 (filled histogram) or mouse IgG2a, κ PE/Cyanine7 isotype control (open histogram).

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