

## APC/Cyanine7 anti-human CD235a (Glycophorin A) Recombinant Antibody

<b>Catalog# / Size</b>	379007 / 25 tests 379008 / 100 tests
<b>Clone</b>	QA19A08
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	PAS-2, Sialoglycoprotein alpha, MN sialoglycoprotein, Glycophorin A, MNS blood group, GYPA
<b>Isotype</b>	Mouse IgG2a, $\kappa$
<b>Description</b>	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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<b>Verified Reactivity</b>	Human
<b>Antibody Type</b>	Recombinant
<b>Host Species</b>	Mouse
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
<b>Preparation</b>	The antibody was purified by affinity chromatography and conjugated with APC/Cyanine7 under optimal conditions.
<b>Concentration</b>	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our <a href="#">Certificate of Analysis</a> online tool.)
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Application</b>	<a href="#">FC - Quality tested</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a> . For flow cytometric staining, the suggested use of this reagent is 5 $\mu$ L per million cells in 100 $\mu$ L staining volume or 5 $\mu$ L per 100 $\mu$ L of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Excitation Laser</b>	Red Laser (633 nm)
<b>RRID</b>	AB_3699024 (BioLegend Cat. No. 379007) AB_3699024 (BioLegend Cat. No. 379008)

### Antigen Details

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<b>Structure</b>	Member of the glycophorin A family; type I protein with a molecular weight of 10 kD; present in the membrane as homodimer
<b>Distribution</b>	Erythrocytes and erythroid precursors
<b>Function</b>	Possible inhibitor of hemagglutination and hemolysis; carries the antigen determinants for the MNS blood groups
<b>Ligand/Receptor</b>	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

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

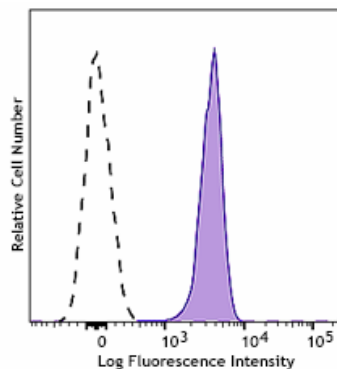
## Other Formats

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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

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Human red blood cells were stained with anti-human CD235a (Glycophorin A) recombinant (clone QA19A08) APC/Cyanine7 (filled histogram) or mouse IgG2a,  $\kappa$  APC/Cyanine7 isotype control (open histogram).

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