

PerCP/Cyanine5.5 anti-human CD235a (Glycophorin A) Recombinant

Catalog# / Size	379013 / 25 tests 379014 / 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 PerCP/Cyanine5.5 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 μ L per million cells in 100 μ L staining volume or 5 μ L per 100 μ L of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. * PerCP/Cyanine5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.
Excitation Laser	Blue Laser (488 nm)
RRID	AB_3699027 (BioLegend Cat. No. 379013) AB_3699027 (BioLegend Cat. No. 379014)

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 *P. falciparum*, 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](#)

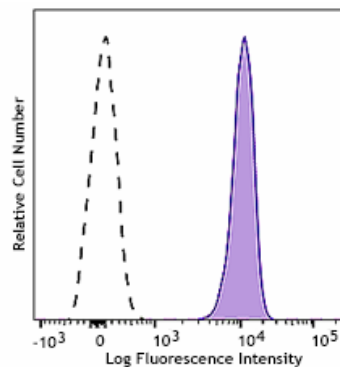
Related Protocols

- [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) PerCP/Cyanine5.5 (filled histogram) or mouse IgG2a, κ PerCP/Cyanine5.5 isotype control (open histogram).

For Research Use Only. Not for diagnostic or therapeutic use.

This product is supplied subject to the terms and conditions, including the limited license, located at www.biolegend.com/terms ("Terms") and may be used only as provided in the Terms. Without limiting the foregoing, BioLegend products may not be used for any Commercial Purpose as defined in the Terms, resold in any form, used in manufacturing, or reverse engineered, sequenced, or otherwise studied or used to learn its design or composition without express written approval of BioLegend. Regardless of the information given in this document, user is solely responsible for determining any license requirements necessary for user's intended use and assumes all risk and liability arising from use of the product. BioLegend is not responsible for patent infringement or any other risks or liabilities whatsoever resulting from the use of its products.

BioLegend, the BioLegend logo, and all other trademarks are property of BioLegend, Inc. or their respective owners, and all rights are reserved.

8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587