
CD235a (GYPA280)**Analyte Specific Reagent (ASR)***

Type	Number of tests	Volume per test (μL)	Total volume (μL)	Catalog number
FITC	50	5	250	4043012
	100	5	500	4043015

Antigen: CD235a
Immunogen: Recombinant human glycophorin A protein
Host/Isotype: Mouse, IgG1,κ
Reactivity: Human
Purity: >90% pure tested via polyacrylamide gel electrophoresis (PAGE)
Formulation: PBS, pH7.2, 0.09% NaN₃ and 0.2% (w/v) BSA
Storage: Store at 2-8°C and protected from prolonged exposure to light. **Do not freeze.**
Applications: Flow Cytometry.

Antigen Information

CD235a recognizes a 39kd sialoglycoprotein identified as glycophorin A. It is abundantly expressed on red blood cells and erythroid precursor cells. It has been shown that glycophorin acts on the erythrocyte binding antigen (EBA-175) of *P. falciparum* as well as the receptor for Sandei virus, parvovirus, influenza virus and hepatitis A virus. Two types of glycophorins are identified and classified as glycophorin A (GPA) and glycophorin B (GPB). Both are trans-membrane sialoglycoproteins. GPA is the carrier of M and N antigens specific blood group whereas GPB is for the S and U specificities.

References

1. Anderson, LC et al 1979, *Int. J. Cancer*, 23:717-720
2. Liszka, K et al 1983. *Am. J. Hematol.* 15:219-226.
3. Reid ME, 2009. *Immunohematology* 25:95-101.
4. Palacajornsuk P. 2006. *Immunohematology* 22:171.
5. Pasvol G. 2003. *Trends Parasitol.* 19:430.

*Analyte Specific Reagent. The analytical and performance characteristics of this ASR product are not established.