
CD55 (F4-29D9)**Analyte Specific Reagent (ASR)***

Type	Number of tests	Volume per test (µL)	Total volume (µL)	Catalog number
PE	50	5	250	4041022
	100	5	500	4041025

Antigen:	CD55
Immunogen:	Human umbilical vein endothelial cells (HUVEC)
Host/Isotype:	Mouse, IgG1, κ
Reactivity:	Human
Purity:	>90% pure tested via polyacrylamide gel electrophoresis (PAGE)
Formulation:	PBS, pH7.2, 0.09% NaN ₃ (unconjugated)
	PBS, pH7.2, 0.09% NaN ₃ , 0.2% (w/v) BSA (conjugated)
Storage:	Store at 2-8°C and protected from prolonged exposure to light. Do not freeze.
Applications:	Flow Cytometry

Antigen Information

The clone F4-29D9 binds with a single chain 70kDa glycoprotein and identified as CD55 (also known as decay accelerating factor, DAF). CD55 is widely expressed on cells throughout the body including leukocytes, erythrocytes, epithelium, endothelium, and fibroblasts. It is a Glycosyl phosphatidylinositol anchored (GPI-anchored) protein and inhibits autologous complement cascade activation. CD55 also serves as receptor for CD97, echovirus and Cocksackie B virus. Anti-CD55 is a useful marker for the diagnosis of paroxysmal nocturnal hemoglobinuria (PNH).

References

1. Schlossman S et al. (eds) *Leukocyte Typing V*. Oxford University Press, Oxford, 1995.
2. Kishimoto T. et al., eds. *Leukocyte Typing VI*, Garland Publishing, Inc, New York and London, 1997.
3. B.E. Loveland - in *Leukocyte Typing VI - Part 6 – Known Non-Lineage CD Antigens - NL11 - CD55 Workshop Panel Report pp519-520, 1997.*
4. Ruix-Delgado, GJ et al 2009. *Hematology*, 14:33-7.

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