

CD55 (F4-29D9)

Type	Size	Catalog number
Unconjugated	100µg	104101
	500µg	104103
FITC	25 tests	104114
	100 tests	104115
	200 tests	104116
PE	25 tests	104124
	100 tests	104125
	200 tests	104126
APC	25 tests	104144
	100 tests	104145
	200 tests	104146
Biotin	100µg	104151

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% NaN₃ (unconjugated)
 PBS, pH7.2, 0.09% NaN₃, 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

Application Information

Each lot of these antibodies has been pre-titrated and tested by flow cytometric analysis of human PBMCs such that 0.5µg (unconjugated, Biotin) or 5µl (conjugated) of these products are sufficient for staining 1 million cells in a 100µl staining volume or 100µl of whole blood. It is recommended to titrate antibody reactivity empirically for optimal performance.

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 Coxsackie 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 Leucocyte 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.

Terms and Conditions

This product is for research use only (RUO) and not intended for diagnostic testing.