

CD55 / Decay Accelerating Factor (DAF) Antibody

Mouse Monoclonal Antibody [Clone F4-29D9]

Catalog No	Format	Size
1604-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1604-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1604-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

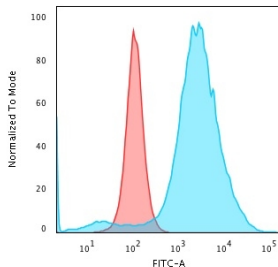
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

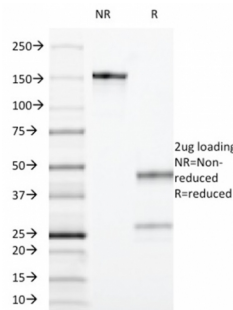
Clone	F4-29D9
Gene Name	CD55
Immunogen	Human umbilical vein endothelial cells (HUVEC)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	70kDa
Cellular Localization	Cell membrane, Secreted
Species Reactivity	Human
Positive Control	HUT-78, Jurkat, K562, MG63 and human lymphocytes. Human lymph nodes and tonsils., U937, YT

*Optimal dilution for a specific application should be determined.

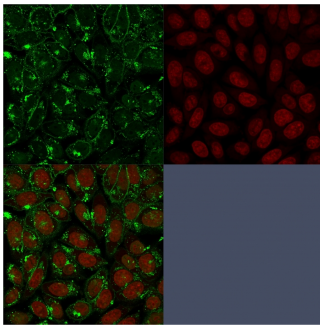
Product Images for CD55 / Decay Accelerating Factor (DAF) Antibody



Flow Cytometric Analysis of paraformaldehyde-fixed HeLa cells with CD55 Mouse Monoclonal Antibody (F4-29D9) followed by goat anti-Mouse IgG-CF488 (Blue) Isotype Control (Red)



SDS-PAGE Analysis of Purified CD55 Mouse Monoclonal Antibody (F4-29D9) . Confirmation of Integrity and Purity of Antibody.



Immunofluorescent staining of paraformaldehyde-fixed HeLa cells with CD55 Mouse Monoclonal Antibody (F4-29D9) followed by goat anti-Mouse IgG-CF488 (Green). Counterstain is RedDot.

Specificity & Comments

Recognizes a single chain glycoprotein of 70kDa, identified as CD55. This MAb was clustered in Kobe at the Sixth International Workshop on Human Leukocyte Differentiation Antigens as F429D-9 (N-L120). CD55/DAF is widely expressed on cells throughout the body including leukocytes, erythrocytes, epithelium, endothelium, and fibroblasts. It is a Glycosyl phosphatidylinositol anchored (GPI-anchored) member of the membrane bound complement regulatory proteins that inhibit autologous complement cascade activation. It prevents the amplification steps of the complement cascade by interfering with the assembly of the C3-convertases, C4b2a and C3bBb, and the C5-convertase, C4b2a3b and C3bBb3b. CD55 also serves as receptor for CD97 and for echovirus and Coxsackie B virus. Anti-CD55 can be used as marker for paroxysmal nocturnal hemoglobinuria (PNH).

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Immunology, B Cell Markers, Complement System, Endothelial Cell Marker, Mast Cell Marker, Signal Transduction