

## 36-2154: Anti-CD55 / Decay Accelerating Factor (DAF) Monoclonal Antibody(Clone: F4-29D9)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	F4-29D9
<b>Application :</b>	FACS,IF
<b>Reactivity :</b>	Human
<b>Gene :</b>	CD55
<b>Gene ID :</b>	1604
<b>Uniprot ID :</b>	P08174
<b>Alternative Name :</b>	CD55; CD55 Cromer blood group system; Complement decay-accelerating factor; CROM; DAF; Decay Accelerating Factor for Complement; Decay accelerating factor GPI-form; Decay accelerating factor soluble-form; GPI-DAF
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	Human umbilical vein endothelial cells (HUVEC)

### Description

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 Cocksackie B virus. Anti-CD55 can be used as marker for paroxysmal nocturnal hemoglobinuria (PNH).

### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/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.
<b>Storage condition :</b>	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.

### Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);

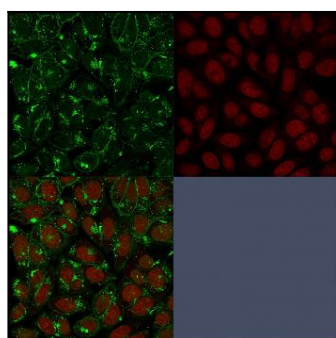


Fig. 1: Immunofluorescent staining of paraformaldehyde-fixed HeLa cells with CD55 Mouse Monoclonal Antibody (F4-29D9) followed by goat anti-Mouse IgG-CF488 (Green). Counterstain is RedDot.

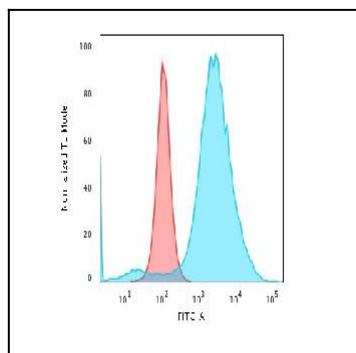


Fig. 2: Flow Cytometric Analysis of paraformaldehyde-fixed HeLa cells with CD55 Mouse Monoclonal Antibody (F4-29D9) followed by goat anti-Mouse IgG-CF488 (Blue) Isotype Control (Red)

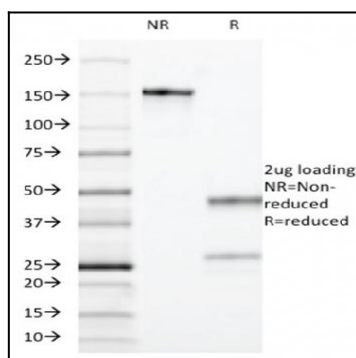


Fig. 3: SDS-PAGE Analysis Purified CD55 Mouse Monoclonal Antibody (F4-29D9) . Confirmation of Integrity and Purity of Antibody.