

Anti-CD55 Antibody [F4-29D9] - BSA and Azide free (A251498)

Specifications:

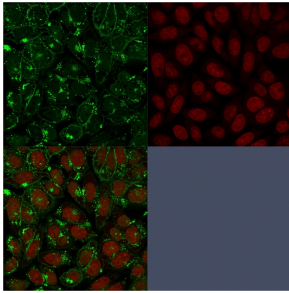
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| Name: | Anti-CD55 Antibody [F4-29D9] - BSA and Azide free |
| Description: | Mouse monoclonal [F4-29D9] antibody to CD55. |
| Specificity: | This antibody recognizes a single chain glycoprotein of 70kDa, identified as CD55. This MAb was clustered 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). |
| Applications: | Flow Cytometry, IF |
| Recommended Dilutions: | Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml |
| Reactivity: | Human |
| Immunogen: | Human umbilical vein endothelial cells (HUVEC). |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Clone ID: | F4-29D9 |
| Isotype: | IgG1 |
| Light Chains: | kappa |
| Conjugate: | Unconjugated |
| Purification: | Protein A/G chromatography. |
| Concentration: | 1 mg/ml |
| Product Form: | Liquid |
| Formulation: | Supplied in 10mM Phosphate Buffered Saline; without Sodium Azide and carrier free. |
| Storage: | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| General Notes: | This monoclonal antibody is also available in a different formulation with BSA and Sodium Azide - Anti-CD55 Antibody [F4-29D9] (A248316). |

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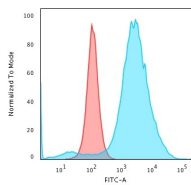
Specifications continued:

Disclaimer: This product is for research use only. It is not intended for diagnostic or therapeutic use.

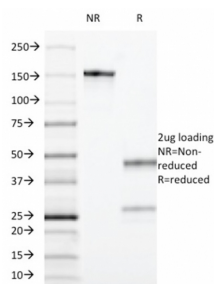
Images:



Immunofluorescent analysis of paraformaldehyde fixed HeLa cells stained with Anti-CD55 Antibody [F4-29D9] followed by Goat Anti-Mouse IgG (CF® 488) (Green). Counterstain is RedDot.



Flow cytometric analysis of paraformaldehyde fixed HeLa cells using Anti-CD55 Antibody [F4-29D9] followed by Goat Anti-Mouse IgG (CF® 488) (Blue). Isotype Control (Red).



SDS-PAGE analysis of Anti-CD55 Antibody [F4-29D9] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.