

# Product Datasheet

## CD55/DAF Antibody (F4-29D9) - Azide and BSA Free NBP2-47963-0.1mg

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-47963](http://www.novusbio.com/NBP2-47963)

Updated 7/16/2024 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-47963](http://www.novusbio.com/reviews/destination/NBP2-47963)



**NBP2-47963-0.1mg**

CD55/DAF Antibody (F4-29D9) - Azide and BSA Free

| Product Information     |   |
|-------------------------|---|
| Unit Size               | 0.1 mg  |
| Concentration           | 1.0 mg/ml                                       |
| Storage                 | Store at -20 to -80C. Avoid freeze-thaw cycles. |
| Clonality               | Monoclonal                                      |
| Clone                   | F4-29D9   |
| Preservative            | No Preservative                                 |
| Isotype                 | IgG1 Kappa                                      |
| Purity                  | Protein A or G purified                         |
| Buffer                  | 10 mM PBS                                       |
| Target Molecular Weight | 70 kDa  |

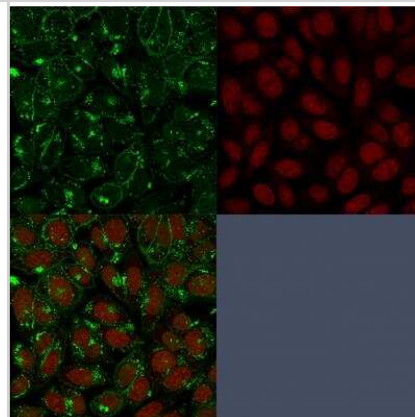
| Product Description     |  |
|-------------------------|--|
| Description             | <p>1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA &amp; azide. Also available at 200 ug/ml WITH BSA &amp; azide (NBP2-44872).</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.</p>   |
| Host                    | Mouse  |
| Gene ID                 | 1604   |
| Gene Symbol             | CD55   |
| Species                 | Human  |
| Specificity/Sensitivity | <p>Recognizes a single chain glycoprotein of 70kDa, identified as CD55. This monoclonal antibody 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).</p> |
| Immunogen               | Human umbilical vein endothelial cells (HUVEC)   |

| Product Application Details |   |
|-----------------------------|---|
| Applications                | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, CyTOF-ready, Immunofluorescence  |
| Recommended Dilutions       | Flow Cytometry 0.5 - 1 ug/million cells in 0.1 ml, Immunocytochemistry/ Immunofluorescence, Immunofluorescence 0.5 - 1.0 ug/ml, CyTOF-ready |
| Application Notes           | Optimal dilution for a specific application should be determined.   |

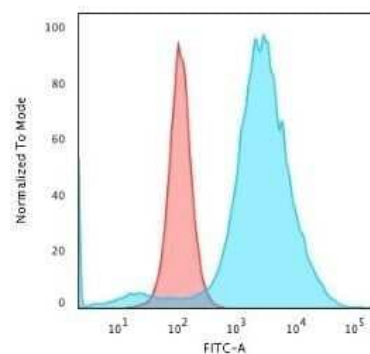


## Images

Immunocytochemistry/Immunofluorescence: CD55/DAF Antibody (F4-29D9) - Azide and BSA Free [NBP2-47963] - Staining of paraformaldehyde-fixed HeLa cells with CD55 Mouse Monoclonal Antibody (F4-29D9) followed by goat anti-Mouse IgG-CF488 (Green). Counterstain is RedDot.



Flow Cytometry: CD55/DAF Antibody (F4-29D9) - Azide and BSA Free [NBP2-47963] - Flow Cytometric Analysis of paraformaldehyde-fixed HeLa cells with CD55/DAF Antibody (F4-29D9) followed by goat anti-Mouse IgG-CF488 (Blue) Isotype Control (Red)





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-47963-0.1mg**

---

|                  |   |
|------------------|---|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)           |
| NBP2-61982-50ug  | Recombinant Human CD55/DAF Isoform 1 His Protein        |

---

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-47963](http://www.novusbio.com/reviews/submit/NBP2-47963)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

