

# Product Datasheet

## CD55/DAF Antibody (F4-29D9) [Janelia Fluor® 549] NBP2-47963JF549

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-47963JF549**

CD55/DAF Antibody (F4-29D9) [Janelia Fluor® 549]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	F4-29D9
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	Janelia Fluor 549
Purity	Protein A or G purified
Buffer	50mM Sodium Borate
Product Description	
Host	Mouse
Gene ID	1604
Gene Symbol	CD55
Species	Human
Specificity/Sensitivity	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 Coxsackie B virus. Anti-CD55 can be used as marker for paroxysmal nocturnal hemoglobinuria (PNH).
Immunogen	Human umbilical vein endothelial cells (HUVEC)
Notes	Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, CyTOF-ready, Immunofluorescence
Recommended Dilutions	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunofluorescence, CyTOF-ready
Application Notes	Optimal dilution of this antibody should be experimentally determined.





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### **Products Related to NBP2-47963JF549**

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NBP2-61982-50ug	Recombinant Human CD55/DAF Isoform 1 His Protein
210-TA-005	TNF-alpha [Unconjugated]
2009-CD-050/CF	CD55/DAF
MAB1455	Albumin Antibody (188835) [Unconjugated] - Serum

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### **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.

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