

# Product Datasheet

## CD55/DAF Antibody (143-30) [Alexa Fluor™ Plus 488] NBP2-47964AFP488

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-47964AFP488**

CD55/DAF Antibody (143-30) [Alexa Fluor™ Plus 488]

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	143-30
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Conjugate</b>	Alexa Fluor Plus 488
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	50mM Sodium Borate
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	1604
<b>Gene Symbol</b>	CD55
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	Recognizes a single chain glycoprotein of 70kDa, identified as CD55/DAF. It 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. The monoclonal antibody 143-30 may be used as marker for paroxysmal nocturnal hemoglobinuria (PNH).
<b>Immunogen</b>	PHA stimulated human CD55/DAF (Uniprot: P08174 )
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**Product Application Details**

<b>Applications</b>	Flow Cytometry, Flow (Cell Surface), Immunocytochemistry/ Immunofluorescence, CyTOF-ready, Immunofluorescence
<b>Recommended Dilutions</b>	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Flow (Cell Surface), Immunofluorescence, CyTOF-ready
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.



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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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