

# Product Datasheet

## **Fc gamma RIIA/CD32a Antibody (8.7) [Janelia Fluor® 549] NBP2-47831JF549**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-47831JF549**

Fc gamma RIIA/CD32a Antibody (8.7) [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	8.7
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	2212
Gene Symbol	FCGR2A
Species	Human
Specificity/Sensitivity	This monoclonal antibody reacts with a CD32 (FcγRII) epitope distinct from that defined by monoclonal antibody 8.26 and the epitope overlaps with that of monoclonal antibody 7.30 (cluster 4). It displays a stronger reaction with Daudi than with U937 cells. The epitope is located in domain 2 of FcγRIIa. Its Fab'2 fragments block immune complex binding. CD32 (FcγRII) is a type 1 transmembrane glycoprotein that mediates several functions including phagocytosis, cytotoxicity, and immunomodulation as well as platelet aggregation. Three genes (A, B, and C) encode CD32 and at least 6 isoforms are generated via alternative mRNA splicing, i.e., IIa1, IIa2, IIb1, IIb2, IIb3 and IIc. Monocytes/macrophages, placental trophoblasts and endothelial cells express all isoforms. In addition, the IIb isoform is expressed by B cells, and the IIa isoform by platelets, granulocytes and, weakly, by B cells. NK cells and neutrophils express Isoform IIc. CD32 binds weakly to the Fc region of monomeric IgG but more strongly to IgG aggregates and immune complexes.
Immunogen	K562 and FcγRII+L cells
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 NBP2-47831JF549**

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NBP1-84589PEP	Fc gamma RIIA/CD32a Recombinant Protein Antigen
210-TA-005	TNF-alpha [Unconjugated]
1330-CD-050	Fc gamma RIIA/CD32a [Unconjugated]
M6000B-1	IL-6 [HRP]

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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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