

# Product Datasheet

## Fc gamma RIIIA/CD16a Antibody (DJ130c) [Alexa Fluor® 350] NB100-64346AF350

Unit Size: 0.1 ml

Store at 4C in the dark.

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Updated 10/23/2024 v.20.1

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**NB100-64346AF350**

Fc gamma RIIIA/CD16a Antibody (DJ130c) [Alexa Fluor® 350]

<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>	DJ130c
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Conjugate</b>	Alexa Fluor 350
<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>	2214
<b>Gene Symbol</b>	FCGR3A
<b>Species</b>	Human
<b>Reactivity Notes</b>	Reacts with: Macaque
<b>Specificity/Sensitivity</b>	NB100-64346 recognizes human CD16, a 50-65kD cell surface molecule, which is the low affinity receptor for IgG (FcR III). CD16 exists as a transmembranous form (Fc gammaRIIA, or CD16A) and a glycosyl phosphatidylinositol (GPI) anchored form (Fc gammaRIIB, or CD16B). CD16A is expressed by NK cells, some T cells, and macrophages, whereas CD16B is primarily expressed by granulocytes. In addition, CD16B exists as two allelic variants NA1 and NA2. DJ130c recognizes all polymorphonuclear cells irrespective on their NA phenotype. Studies show that the DJ130c antibody recognizes an epitope in the first membrane-distal domain of CD16 and recognizes both CD16A and CD16B.
<b>Immunogen</b>	CD34 antigen

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<b>Product Application Details</b>	
<b>Applications</b>	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.

## Images

Fc gamma RIIIA/CD16a Antibody (DJ130c) [Alexa Fluor® 350] [NB100-64346AF350] - Vial of Alexa Fluor 350 conjugated antibody. Alexa Fluor 350 is optimally excited at 346 nm by the UV laser (350 or 355 nm) and has an emission maximum of 442 nm.



Alexa Fluor® 350

LASER (nm)	FILTER
UV (350)	450/45
EXCITATION MAX (nm)	EMISSION MAX (nm)
346	442



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### **Products Related to NB100-64346AF350**

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NBP1-97005AF350	Mouse IgG1 Isotype Control (MG1) [Alexa Fluor® 350]
NBP2-33753PEP	Fc gamma RIIIA/CD16a Recombinant Protein Antigen
210-TA-005	TNF-alpha [Unconjugated]
4325-FC-050	Fc gamma RIIIA/CD16a [Unconjugated]

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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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