

# Product Datasheet

## Fc gamma RIIIA/CD16a Antibody (DJ130c) [Allophycocyanin] NB100-64346APC

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NB100-64346APC**

Fc gamma RIIIA/CD16a Antibody (DJ130c) [Allophycocyanin]

| 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               | DJ130c  |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG1  |
| Conjugate           | Allophycocyanin   |
| Purity              | Protein A or G purified   |
| Buffer              | PBS   |

| Product Description     |   |
|-------------------------|---|
| Description             | This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.   |
| Host                    | Mouse   |
| Gene ID                 | 2214  |
| Gene Symbol             | FCGR3A  |
| Species                 | Human   |
| Reactivity Notes        | Reacts with: Macaque  |
| Specificity/Sensitivity | 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. |
| Immunogen               | CD34 antigen  |

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



## Images

Fc gamma RIIIA/CD16a Antibody (DJ130c) [Allophycocyanin] [NB100-64346APC] - Vial of APC conjugated antibody. APC is optimally excited at 650 nm by the Red laser (633 or 640 nm) and has an emission maximum of 660 nm.



Allophycocyanin (APC)

| LASER (nm)    | FILTER |
|---------------|--------|
| Red (633,640) | 660/10 |

| EXCITATION MAX (nm) | EMISSION MAX (nm) |
|---------------------|-------------------|
| 650                 | 660               |



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

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|               |  |
|---------------|--|
| NBP1-97005APC | Mouse IgG1 Isotype Control (MG1) [Allophycocyanin] |
| 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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