

# Product Datasheet

## Ly-6G/Ly-6C Antibody (RB6-8C5) [Janelia Fluor® 646] NBP3-11979JF646

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-11979JF646**

Ly-6G/Ly-6C Antibody (RB6-8C5) [Janelia Fluor® 646]

| 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               | RB6-8C5                                                                                     |
| Preservative        | 0.05% Sodium Azide                                                                          |
| Isotype             | IgG2a Kappa                                                                                 |
| Conjugate           | Janelia Fluor 646                                                                           |
| Purity              | Protein A purified                                                                          |
| Buffer              | 50mM Sodium Borate                                                                          |

| Product Description     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene ID                 | 546644                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Symbol             | Ly6g                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Species                 | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Specificity/Sensitivity | This antibody is specific for murine Ly6G, a a 21-25 kDa glycosylphosphatidylinositol (GPI)-linked protein expressed by the myeloid-derived cells in a tightly developmentally-regulated manner in the bone marrow. Monocytes express Ly6G transiently during bone marrow development, while Ly6G expression in granulocytes and peripheral neutrophils directly correlates with the cell's level of differentiation and maturation. This hallmark makes Ly6G a good marker for these particular cell populations. Ly6G has also been implicated in the development of antitumor responses. |
| Immunogen               | This antibody was raised in Lou-M rats using a popliteal lymph node immunisation and fusion protocol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Notes                   | Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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





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### **Products Related to NBP3-11979JF646**

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|                |                          |
|----------------|--------------------------|
| 210-TA-005     | TNF-alpha [Unconjugated] |
| M6000B-1       | IL-6 [HRP]               |
| 6507-IL-010/CF | IL-4 [Unconjugated]      |
| 7954-GM-010/CF | GM-CSF [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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