

# Product Datasheet

## GM2 Ganglioside Antibody (L55-81) [Janelia Fluor® 525] NBP2-81278JF525

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-81278JF525**

GM2 Ganglioside Antibody (L55-81) [Janelia Fluor® 525]

| 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                       | L55-81                                                                                                                                                                                                                                                                                                                                                                                                        |
| Preservative                | 0.05% Sodium Azide                                                                                                                                                                                                                                                                                                                                                                                            |
| Isotype                     | IgG Kappa                                                                                                                                                                                                                                                                                                                                                                                                     |
| Conjugate                   | Janelia Fluor 525                                                                                                                                                                                                                                                                                                                                                                                             |
| Purity                      | Protein A purified                                                                                                                                                                                                                                                                                                                                                                                            |
| Buffer                      | 50mM Sodium Borate                                                                                                                                                                                                                                                                                                                                                                                            |
| Product Description         |                                                                                                                                                                                                                                                                                                                                                                                                               |
| Host                        | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                        |
| Species                     | Human                                                                                                                                                                                                                                                                                                                                                                                                         |
| Specificity/Sensitivity     | L55-81 binds specifically to GM2 ganglioside; this antibody shows no reactivity towards GM1, GM3, GD2 or normal tissues- the L55-81 epitope contains both a GalNAc and sialic acid bound to lactose. Ganglioside GM2 (GalNAcbeta1-4 (NeuNAcalpha2-3)Galbeta1-4Glcbeta-1ceramide) is a glycosphingolipid present on the cell surface and a major tumor-differentiation antigen in human melanoma and hepatoma. |
| Immunogen                   | L55-81 was prepared by isolating EBV-immortalized peripheral blood B lymphocytes from a human donor with melanoma.                                                                                                                                                                                                                                                                                            |
| Notes                       | Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.                                                                                                                                                                                                                                                                                                                         |
| Product Application Details |                                                                                                                                                                                                                                                                                                                                                                                                               |
| Applications                | ELISA, Functional, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Cell depletion                                                                                                                                                                                                                                                                                                              |
| Recommended Dilutions       | ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Functional, Cell depletion                                                                                                                                                                                                                                                                                                              |
| Application Notes           | 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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

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