

# Product Datasheet

**Complement C3d Antibody (053A-1149.3.1.4 (1003))**

**[Janelia Fluor® 669]**

**NB100-65510JF669**

Unit Size: 0.1 ml

Store at 4C in the dark.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:

[www.novusbio.com/NB100-65510JF669](http://www.novusbio.com/NB100-65510JF669)

Updated 11/11/2025 v.20.1

**Earn rewards for product reviews and publications.**

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NB100-65510JF669](http://www.novusbio.com/reviews/destination/NB100-65510JF669)



**NB100-65510JF669**

Complement C3d Antibody (053A-1149.3.1.4 (1003)) [Janelia Fluor® 669]

| 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                       | 053A-1149.3.1.4 (1003)   |
| Preservative                | 0.05% Sodium Azide   |
| Isotype                     | IgG1   |
| Conjugate                   | Janelia Fluor 669  |
| Purity                      | Protein A purified   |
| Buffer                      | 50mM Sodium Borate   |
| Product Description         |  |
| Host                        | Mouse  |
| Gene ID                     | 718  |
| Gene Symbol                 | C3   |
| Species                     | Human  |
| Specificity/Sensitivity     | NB100-65510 is specific for human complement component 3d (C3d), a 33kDa polypeptide fragment generated over the course of complement activation where complement 3 (C3) convertases cleave C3 to C3b, which is further degraded into iC3b and C3dg/C3d. C3d is involved in the regulation of many aspects of the immune response, including antigen processing and presentation. The C3d/antigen complex mediates B cell activation by simultaneously binding antigen-specific surface bound immunoglobulin and CD21, lowering the complement activation threshold. C3 is crucial in the induction of tolerance generated when an antigen is introduced into immunoprivileged sites and this is exploited by pathogens and cancer cells to evade the immune system by inhibiting complement activation. |
| Immunogen                   | Purified C3d from human plasma   |
| Notes                       | Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.  |
| Product Application Details |  |
| Applications                | Western Blot, ELISA, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen   |
| Recommended Dilutions       | Western Blot, Flow Cytometry, ELISA, Immunohistochemistry, Immunohistochemistry-Frozen   |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.   |



**Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

**Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

**Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

**General Contact Information**

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

**Products Related to NB100-65510JF669**

---

|                 |  |
|-----------------|--|
| NBP1-97005JF669 | Mouse IgG1 Isotype Control (MG1) [Janelia Fluor 669] |
| 210-TA-005      | TNF-alpha [Unconjugated]                             |
| NBP3-50048      | Mouse Complement C3d ELISA Kit (Colorimetric)        |
| DY1707          | C-Reactive Protein/CRP [Biotin]                      |

---

**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)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NB100-65510JF669](http://www.novusbio.com/reviews/submit/NB100-65510JF669)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

