

# Product Datasheet

## Complement C3d Antibody (053A-1149.3.1.4) [Alexa Fluor® 750] NB100-65510AF750

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NB100-65510AF750**

Complement C3d Antibody (053A-1149.3.1.4) [Alexa Fluor® 750]

| 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  |
| Preservative            | 0.05% Sodium Azide   |
| Isotype                 | IgG1   |
| Conjugate               | Alexa Fluor 750  |
| 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   |

|              |  |
|--------------|--|
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|--------------|--|

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

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**Products Related to NB100-65510AF750**

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|                 |   |
|-----------------|---|
| NBP1-97005AF750 | Mouse IgG1 Isotype Control (MG1) [Alexa Fluor® 750] |
| 210-TA-005      | TNF-alpha [Unconjugated]                            |
| MAB1455         | Albumin Antibody (188835) [Unconjugated] - Serum    |
| DY1707          | C-Reactive Protein/CRP [Biotin]                     |

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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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