

# Product Datasheet

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

**[CoraFluor™ 1]**

**NB100-65510CL1**

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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**NB100-65510CL1**

Complement C3d Antibody (053A-1149.3.1.4 (1003)) [CoraFluor™ 1]

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. Do not freeze.
Clonality	Monoclonal
Clone	053A-1149.3.1.4 (1003)
Preservative	No Preservative
Isotype	IgG1
Conjugate	CoraFluor 1
Purity	Protein A purified
Buffer	PBS
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	CoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254
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.



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**Products Related to NB100-65510CL1**

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NBP1-97005CL1	Mouse IgG1 Isotype Control (MG1) [CoraFluor™ 1]
210-TA-005	TNF-alpha [Unconjugated]
NBP3-50048	Mouse Complement C3d ELISA Kit (Colorimetric)
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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