

# Product Datasheet

## C1q Antibody NB100-64420-0.1ml

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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### Publications: 3

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**NB100-64420-0.1ml****C1q Antibody**

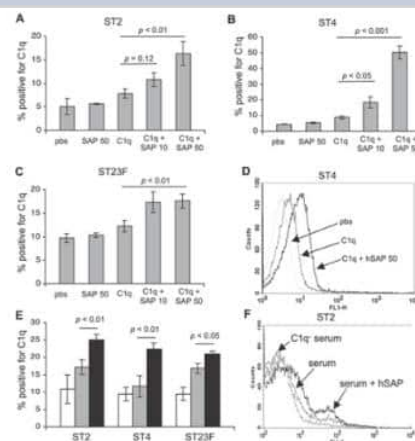
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	IgG purified
<b>Buffer</b>	Glycine Buffered Saline (pH 7.4), 0.01% Benzamidine, 0.1% EACA, 1 mM EDTA

<b>Product Description</b>	
<b>Host</b>	Sheep
<b>Gene ID</b>	712
<b>Gene Symbol</b>	C1QA
<b>Species</b>	Human
<b>Reactivity Notes</b>	Use in Human reported in scientific literature (PMID:33808005).
<b>Specificity/Sensitivity</b>	Recognizes human C1q, a sub-component of the C1 complement component.
<b>Immunogen</b>	Human C1q, purified from plasma

<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Flow Cytometry, Immunodiffusion
<b>Recommended Dilutions</b>	Flow Cytometry 1:10-1:1000, ELISA 1:100-1:2000, Immunodiffusion

**Images**

Flow Cytometry: C1q Antibody [NB100-64420] - Effects of SAP on C1q Binding to *S. pneumoniae* Measured Using Flow Cytometry. (A-C) Proportion of ST2 (A), ST4 (B), and ST23F (C) *S. pneumoniae* bacteria positive for C1q after incubation in 90 ug/ml human C1q with or without addition of 10 or 50 ug/ml hSAP. (D) Example of flow cytometry histograms of C1q binding to ST4 *S. pneumoniae* after incubation in 90 ug/ml human C1q with or without addition of 50 ug/ml hSAP. (E) Proportion of *S. pneumoniae* positive for C1q after incubation in human serum with (black shading) or without (grey shading) addition of 50 ug/ml hSAP, using C1q-depleted serum (white shading) as a negative control. (F) Example of flow cytometry histograms of C1q binding to ST2 *S. pneumoniae* after incubation in human serum with or without addition of 50 ug/ml hSAP.



## Publications

Lenhart-Pendergrass PM, Malcolm KC, Wheeler E et al. Deficient Complement Opsonization Impairs Mycobacterium avium Killing by Neutrophils in Cystic Fibrosis Microbiology Spectrum 2023-02-14 [PMID: 36651756] (WB)

Wheeler E, Lenhart-Pendergrass P, Rysavy N et al. Divergent host innate immune response to the smooth-to-rough M. abscessus adaptation to chronic infection bioRxiv 2023-05-18 [PMID: 37293112] (WB, Bacteria)

Fante M, Decking S, Bruss C et al. Heat-Inactivation of Human Serum Destroys C1 Inhibitor, Promotes Immune Complex Formation, and Improves Human T Cell Function International Journal of Molecular Sciences 2021-03-05 [PMID: 33808005] (control for neutralization, Human)





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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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