

## Datasheet: C12CA.1

**BATCH NUMBER 157831**

<b>Description:</b>	BABY RABBIT COMPLEMENT
<b>Name:</b>	BABY RABBIT COMPLEMENT
<b>Format:</b>	Serum
<b>Product Type:</b>	Serum
<b>Quantity:</b>	1 ml

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Functional Assays (1)	▪			
Immunoassay	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

**(1) This product is not sold as sterile but can be sterilized by filtration if necessary. It is preferable to dilute the complement to a final working concentration before filtration in order to minimize loss of volume.**

<b>Product Form</b>	Baby rabbit serum - lyophilized
<b>Reconstitution</b>	Reconstitute with 1.0 ml ice cold distilled water
<b>Preservative Stabilisers</b>	None present
<b>Product Information</b>	<b>Baby rabbit complement</b> serum preparation is intended for use as a source of rabbit complement for cytotoxicity assays.

### References

1. De clerq, L. *et al.* (1997) An anti-adipocyte monoclonal antibody is cytotoxic to porcine preadipocytes *in vitro* and depresses the development of pig adipose tissue. [J Anim Sci. 75 \(7\): 1791-7.](#)
2. Anderson, L.D. Jr *et al.* (1999) Enhancement of graft-versus-tumor activity and graft-versus-host disease by pretransplant immunization of allogeneic bone marrow donors with a recipient-derived tumor cell vaccine. [Cancer Res. 59 \(7\): 1525-30.](#)

3. Lidington, E.A. *et al.* (2000) Induction of decay-accelerating factor by thrombin through a protease-activated receptor 1 and protein kinase C-dependent pathway protects vascular endothelial cells from complement-mediated injury. [Blood. 96 \(8\): 2784-92.](#)
4. Mason, J.C. *et al.* (2002) bFGF and VEGF synergistically enhance endothelial cytoprotection via decay-accelerating factor induction. [Am J Physiol Cell Physiol. 282: C578-87.](#)
5. Mason, J.C. *et al.* (2002) Statin-induced expression of decay-accelerating factor protects vascular endothelium against complement-mediated injury. [Circ Res. 91 \(8\): 696-703.](#)
6. Li, S.H. *et al.* (2004) C-reactive protein upregulates complement-inhibitory factors in endothelial cells. [Circulation. 109: 833-6.](#)
7. Newcombe, J. *et al.* (2004) Infection with an avirulent phoP mutant of *Neisseria meningitidis* confers broad cross-reactive immunity. [Infect Immun. 72: 338-44.](#)
8. Sancho, D. *et al.* (2006) CD69 targeting differentially affects the course of collagen-induced arthritis. [J Leukoc Biol. 80: 1233-41.](#)
9. Hyams, C. *et al.* (2010) *Streptococcus pneumoniae* resistance to complement-mediated immunity is dependent on the capsular serotype. [Infect Immun. 78: 716-25.](#)
10. Hung, M.C. *et al.* (2011) The *Neisseria meningitidis* Macrophage Infectivity Potentiator Protein Induces Cross-Strain Serum Bactericidal Activity and Is a Potential Serogroup B Vaccine Candidate. [Infect Immun. 79: 3784-91.](#)
11. Lee, S.J. *et al.* (2012) Identification of a common immune signature in murine and human systemic Salmonellosis. [Proc Natl Acad Sci U S A. 109 \(13\): 4998-5003.](#)
12. Hung MC *et al.* (2013) The adhesin complex protein (ACP) of *Neisseria meningitidis* is a new adhesin with vaccine potential. [MBio. 4 \(2\): pii: e00041-13.](#)
13. Goh, Y.S. & MacLennan, C.A. (2013) Invasive African nontyphoidal *Salmonella* requires high levels of complement for cell-free antibody-dependent killing. [J Immunol Methods. 387 \(1-2\): 121-9.](#)
14. Goh YS *et al.* (2016) Bactericidal Immunity to *Salmonella* in Africans and Mechanisms Causing Its Failure in HIV Infection. [PLoS Negl Trop Dis. 10 \(4\): e0004604.](#)
15. Humbert MV *et al.* (2016) Vaccine Potential and Diversity of the Putative Cell Binding Factor (CBF, NMB0345/NEIS1825) Protein of *Neisseria meningitidis*. [PLoS One. 11 \(8\): e0160403.](#)
16. Dierckx de Casterlé I *et al.* (2018) Reduction of myeloid-derived suppressor cells reinforces the anti-solid tumor effect of recipient leukocyte infusion in murine neuroblastoma-bearing allogeneic bone marrow chimeras. [Cancer Immunol Immunother. 67 \(4\): 589-603.](#)
17. Valton, J. *et al.* (2018) A Versatile Safeguard for Chimeric Antigen Receptor T-Cell Immunotherapies. [Sci Rep. 8 \(1\): 8972.](#)
18. Dierckx de Casterlé, I. *et al.* (2018) Reduction of myeloid-derived suppressor cells reinforces the anti-solid tumor effect of recipient leukocyte infusion in murine neuroblastoma-bearing allogeneic bone marrow chimeras. [Cancer Immunol Immunother. 67 \(4\): 589-603.](#)
19. Nganje, C.N. *et al.* (2019) PepN is a non-essential, cell wall-localized protein that contributes to neutrophil elastase-mediated killing of *Streptococcus pneumoniae*. [PLoS One. 14 \(2\): e0211632.](#)
20. Cuesta-Mateos, C. *et al.* (2020) CCR7 as a novel therapeutic target in t-cell PROLYMPHOCYTIC leukemia [Biomarker Research.8, 54.](#)

21. Mosti, L. *et al.* (2021) Targeted multi-epitope switching enables straightforward positive/negative selection of CAR T cells. [Gene Ther. 28 \(9\): 602-12.](#)

<b>Storage</b>	<p>Prior to reconstitution store at +4°C. Following reconstitution store at +4°C for 1 hour or aliquot and store at -70°C for longer.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the product. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	Guaranteed until date of expiry. Please see product label.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10288 available at: <a href="https://www.bio-rad-antibodies.com/SDS/C12CA.1">https://www.bio-rad-antibodies.com/SDS/C12CA.1</a> 10288
<b>Regulatory</b>	For research purposes only

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)  
'M350331:190307'

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