

# Datasheet: C12CA

Description:	BABY RABBIT COMPLEMENT
Name:	BABY RABBIT COMPLEMENT
Format:	Serum
<b>Product Type:</b>	Serum
Quantity:	2 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.biorad-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.

Product Form	Baby rabbit serum - lyophilized
Reconstitution	Reconstitute with 2ml ice cold distilled water
Preservative Stabilisers	None present
Product Information	Baby rabbit complement serum preparation is intended for use as a source of rabbit complement for cytotoxicity assays.
Instructions For Use	Use within one hour of reconstitution, keeping on ice throughout.
References	1. De clercq, L. <i>et al.</i> (1997) An anti-adipocyte monoclonal antibody is cytotoxic to porcir preadipocytes <i>in vitro</i> and depresses the development of pig adipose tissue. J Anim Sci.

- ine preadipocytes *in vitro* and depresses the development of pig adipose tissue. <u>J Anim Sci.</u> 75 (7): 1791-7.
- 2. Anderson, L.D. Jr et al. (1999) Enhancement of graft-versus-tumor activity and graftversus-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. <u>Am J Physiol Cell Physiol. 282:</u> <u>C578-87.</u>
- 5. Mason, J.C. *et al.* (2002) Statin-induced expression of decay-accelerating factor protects vascular endothelium against complement-mediated injury. <u>Circ Res. 91 (8)</u>: 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. <u>J Immunol Methods</u>. 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. <u>PLoS Negl Trop Dis. 10 (4)</u>: e0004604.
- 15. Humbert MV *et al.* (2016) Vaccine Potential and Diversity of the Putative Cell Binding Factor (CBF, NMB0345/NEIS1825) Protein of *Neisseria meningitidis*. <u>PLoS One. 11 (8):</u> 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. <u>Cancer Immunol Immunother.</u> 67 (4): 589-603.
- 17. Valton, J. *et al.* (2018) A Versatile Safeguard for Chimeric Antigen Receptor T-Cell Immunotherapies. <u>Sci Rep. 8 (1): 8972.</u>
- 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. <u>Cancer Immunol Immunother.</u> 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*. <u>PLoS One. 14 (2): e0211632.</u>
- 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.

22. Olivera-Ardid, S. et al. (2023) Removal of natural anti-αGal antibodies elicits protective immunity against Gram-negative bacterial infections. Front Immunol. 14: 1232924.

#### **Storage**

This product is shipped at ambient temperature.

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.

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.

Guarantee	Guaranteed until date of expiry. Please see product label.
Health And Safety Information	Material Safety Datasheet documentation #10288 available at: <a href="https://www.bio-rad-antibodies.com/SDS/C12CA">https://www.bio-rad-antibodies.com/SDS/C12CA</a> 10288
Regulatory	For research purposes only

America

North & South Tel: +1 800 265 7376 Fax: +1 919 878 3751

Worldwide

Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Europe

Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50

Email: antibody\_sales\_us@bio-rad.com

Email: antibody\_sales\_uk@bio-rad.com

Email: antibody\_sales\_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M439339:250523'

### Printed on 23 May 2025

© 2025 Bio-Rad Laboratories Inc | Legal | Imprint