

## Datasheet: BUF033C

**BATCH NUMBER 156261**

<b>Description:</b>	ELISA ULTRABLOCK
<b>Name:</b>	ELISA ULTRABLOCK
<b>Format:</b>	Ready To Use
<b>Product Type:</b>	Accessory Reagent
<b>Quantity:</b>	1000 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
ELISA	▪			Neat

Where this antibody 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 antibody for use in their own system using the appropriate negative/positive controls.

**Product Form** Ready to use - liquid

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers** 0.05% Sodium Azide

**Intended Use** BUF033C is a high performance ELISA blocking buffer for use in all ELISA formats with high background problems. The formulation includes a proprietary fish extract, molecular stabilizers and an antimicrobial agent. It is particularly useful in antigen-down and sandwich ELISA assays with mammalian samples, especially human, bovine and porcine serum, where the non-mammalian blocking proteins are less likely to interact with endogenous antibodies in the serum sample.

Superior blocking is possible due to the small size of the molecules which block non-specific binding sites on the adsorbed protein and unoccupied regions of the polystyrene plates often sterically inaccessible to traditional blockers. It provides a long-term stable environment for coating antigen or capture antibody. Plates can be blocked at room temperature and stored once dried for up to a year at +4°C.

- Instructions For Use**
1. Coat ELISA plate with antibody or antigen as required.
  2. After incubation, remove the coating solution and wash the plate x2 with wash buffer. [BUF031A](#) can be used for this purpose.
  3. Add 300-400ul of BUF033C and incubate for 2-24 hours. Use a volume equal to or greater than the volume of coating solution.
  4. After removal of the blocking buffer continue with the assay or dry the plate for long-term storage at +4°C.

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- References**
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  4. Krachudel, J. *et al.* (2013) Luteal insufficiency in bitches as a consequence of an autoimmune response against progesterone? [Theriogenology. 79: 1278-83.](#)
  5. Yoshino, N. *et al.* (2013) Polymyxins as novel and safe mucosal adjuvants to induce humoral immune responses in mice. [PLoS One. 8 \(4\): e61643.](#)
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  7. Liao, S. *et al.* (2017) Maternal serum IGF-1, IGFBP-1 and 3, and placental growth hormone at 20weeks' gestation in pregnancies complicated by preeclampsia. [Pregnancy Hypertens. 10: 149-54.](#)
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  9. Ravindran, A. *et al.* (2018) C3 Glomerulopathy: Ten Years' Experience at Mayo Clinic. [Mayo Clin Proc. 93 \(8\): 991-1008.](#)
  10. Zhang, Y. *et al.* (2020) Factor H Autoantibodies and Complement-Mediated Diseases. [Front Immunol. 11: 607211.](#)
  11. Wang, Y. *et al.* (2021) Enhanced Bioactivity of a Human GHR Antagonist Generated by Solid-Phase Site-Specific PEGylation. [Biomacromolecules. 22 \(2\): 299-308.](#)

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**Storage**

Store at +4°C.

DO NOT FREEZE

This product should be stored undiluted.

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**Guarantee**

Guaranteed until date of expiry. Please see product label.

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**Health And Safety**

Material Safety Datasheet documentation #10379 available at:

**Information** <https://www.bio-rad-antibodies.com/SDS/BUF033C>  
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**Regulatory** For research purposes only

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## Related Products

### Recommended Useful Reagents

[ELISA ULTRABLOCK \(BUF033A\)](#)

[ELISA ULTRABLOCK \(BUF033B\)](#)

[ELISA NEPTUNE ASSAY DILUENT \(BUF039A\)](#)

[5x ELISA COATING BUFFER \(BUF030A\)](#)

[10x ELISA WASH BUFFER \(BUF031A\)](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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