

## Datasheet: BUF033C

**BATCH NUMBER 167445**

<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.

<b>Product Form</b>	Ready to use - liquid
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	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.

<b>Instructions For Use</b>	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. <a href="#">BUF031A</a> 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.

<b>References</b>	<p>1. Colwell, D.D. <i>et al.</i> (2010) <i>Dicrocoelium dendriticum</i> in cattle from Cypress Hills, Canada: Humoral response and preliminary evaluation of an ELISA. <a href="#">Vet Parasitol.174: 162-165.</a></p> <p>2. Defresne, F. <i>et al.</i> (2010) Differential influence of anticancer treatments and angiogenesis on the seric titer of autoantibody used as tumor and metastasis biomarker. <a href="#">Neoplasia 12: 562-570.</a></p> <p>3. Zhang, Y. <i>et al.</i> (2012) Causes of alternative pathway dysregulation in dense deposit disease. <a href="#">Clin J Am Soc Nephrol. 7 (2): 265-74.</a></p> <p>4. Krachudel, J. <i>et al.</i> (2013) Luteal insufficiency in bitches as a consequence of an autoimmune response against progesterone? <a href="#">Theriogenology. 79: 1278-83.</a></p> <p>5. Yoshino, N. <i>et al.</i> (2013) Polymyxins as novel and safe mucosal adjuvants to induce humoral immune responses in mice. <a href="#">PLoS One. 8 (4): e61643.</a></p> <p>6. Liao, S. <i>et al.</i> (2016) Human placental growth hormone is increased in maternal serum at 20 weeks of gestation in pregnancies with large-for-gestational-age babies. <a href="#">Growth Factors. 34 (5-6): 203-9.</a></p> <p>7. Liao, S. <i>et al.</i> (2017) Maternal serum IGF-1, IGFBP-1 and 3, and placental growth hormone at 20weeks' gestation in pregnancies complicated by preeclampsia. <a href="#">Pregnancy Hypertens. 10: 149-54.</a></p> <p>8. Vanhoutte, L. <i>et al.</i> (2017) MRI Assessment of Cardiomyopathy Induced by <math>\beta</math>1-Adrenoreceptor Autoantibodies and Protection Through <math>\beta</math>3-Adrenoreceptor Overexpression. <a href="#">Sci Rep. 7: 43951.</a></p> <p>9. Ravindran, A. <i>et al.</i> (2018) C3 Glomerulopathy: Ten Years' Experience at Mayo Clinic. <a href="#">Mayo Clin Proc. 93 (8): 991-1008.</a></p> <p>10. Zhang, Y. <i>et al.</i> (2020) Factor H Autoantibodies and Complement-Mediated Diseases. <a href="#">Front Immunol. 11: 607211.</a></p> <p>11. Wang, Y. <i>et al.</i> (2021) Enhanced Bioactivity of a Human GHR Antagonist Generated by Solid-Phase Site-Specific PEGylation. <a href="#">Biomacromolecules. 22 (2): 299-308.</a></p>
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<b>Storage</b>	Store at +4°C.
	DO NOT FREEZE
	This product should be stored undiluted.
<b>Guarantee</b>	Guaranteed until date of expiry. Please see product label.
<b>Health And Safety</b>	Material Safety Datasheet documentation #10379 available at:

**Information** <https://www.bio-rad-antibodies.com/SDS/BUF033C>  
10379

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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 \(BUF031A\)](#)

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