

Datasheet: BUF033B

BATCH NUMBER 170997

Description:	ELISA ULTRABLOCK
Name:	ELISA ULTRABLOCK
Format:	Ready To Use
Product Type:	Accessory Reagent
Quantity:	500 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.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			Neat

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 the appropriate negative/positive controls.

Product Form	Ready to use - liquid
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% sodium azide (NaN ₃)

Intended Use

BUF033B 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 BUF033B 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.

References	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. Vet Parasitol.174: 162-165.
	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. Neoplasia 12: 562-570.
	3. Zhang, Y. <i>et al.</i> (2012) Causes of alternative pathway dysregulation in dense deposit disease. Clin J Am Soc Nephrol. 7 (2): 265-74.
	4. Krachudel, J. <i>et al.</i> (2013) Luteal insufficiency in bitches as a consequence of an autoimmune response against progesterone? Theriogenology. 79: 1278-83.
	5. Yoshino, N. <i>et al.</i> (2013) Polymyxins as novel and safe mucosal adjuvants to induce humoral immune responses in mice. PLoS One. 8 (4): e61643.
	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. Growth Factors. 34 (5-6): 203-9.
	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. Pregnancy Hypertens. 10: 149-54.
	8. Vanhoutte, L. <i>et al.</i> (2017) MRI Assessment of Cardiomyopathy Induced by β 1-Adrenoreceptor Autoantibodies and Protection Through β 3-Adrenoreceptor Overexpression. Sci Rep. 7: 43951.
	9. Ravindran, A. <i>et al.</i> (2018) C3 Glomerulopathy: Ten Years' Experience at Mayo Clinic. Mayo Clin Proc. 93 (8): 991-1008.
	10. Zhang, Y. <i>et al.</i> (2020) Factor H Autoantibodies and Complement-Mediated Diseases. Front Immunol. 11: 607211.
	11. Wang, Y. <i>et al.</i> (2021) Enhanced Bioactivity of a Human GHR Antagonist Generated by Solid-Phase Site-Specific PEGylation. Biomacromolecules. 22 (2): 299-308.

Storage	Store at +4°C.
	DO NOT FREEZE
	This product should be stored undiluted.
Guarantee	Guaranteed until date of expiry. Please see product label.
Health And Safety	Material Safety Datasheet documentation #10379 available at:

Information <https://www.bio-rad-antibodies.com/SDS/BUF033B>
10379

Regulatory For research purposes only

Related Products

Recommended Useful Reagents

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

[ELISA ULTRABLOCK \(BUF033C\)](#)

[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

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: 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

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)
'M433341:241008'

Printed on 04 Jun 2025

© 2025 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)