

## Datasheet: BUF033B

**BATCH NUMBER 173067**

<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>	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](http://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<sub>3</sub>)

**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. *et al.* (2010) *Dicrocoelium dendriticum* in cattle from Cypress Hills, Canada: Humoral response and preliminary evaluation of an ELISA. [Vet Parasitol.174: 162-165.](#)
  2. Defresne, F. *et al.* (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. *et al.* (2012) Causes of alternative pathway dysregulation in dense deposit disease. [Clin J Am Soc Nephrol. 7 \(2\): 265-74.](#)
  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.](#)
  6. Liao, S. *et al.* (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. *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.](#)
  8. Vanhoutte, L. *et al.* (2017) MRI Assessment of Cardiomyopathy Induced by  $\beta$ 1-Adrenoreceptor Autoantibodies and Protection Through  $\beta$ 3-Adrenoreceptor Overexpression. [Sci Rep. 7: 43951.](#)
  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.](#)

---

**Storage** This product is shipped at ambient temperature.  
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 Information**      Material Safety Datasheet documentation #10379 available at:  
<https://www.bio-rad-antibodies.com/SDS/BUF033B>

---

**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 \(BUF031A\)](#)

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)  
'M439289:250523'

**Printed on 19 Mar 2026**

---

© 2026 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)