# Datasheet: BUF033B

## BATCH NUMBER 167667

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| **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**

0.05% Sodium Azide

**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**


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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 β1-Adrenoreceptor Autoantibodies and Protection Through β3-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.
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**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:

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| **Information** | https://www.bio-rad-antibodies.com/SDS/BUF033B<br>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)


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

'M353955:190618'

**Printed on 04 Apr 2024**