

## Datasheet: BUF033A

<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>	100 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** <0.1% sodium azide (NaN<sub>3</sub>)

**Intended Use** BUF033A 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 BUF033A 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.](#)
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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.](#)
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.](#)

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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 Information

Material Safety Datasheet documentation #10379 available at: <https://www.bio-rad-antibodies.com/SDS/BUF033A>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Useful Reagents

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

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

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

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

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

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