



Block Ace

Cat.# BUF029

Description: BLOCK ACE
Name: BLOCK ACE
Format: Reagent
Product Type: Accessory Reagent
Quantity: 20 x 4g

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

| | Yes | No | Not Determined | Suggested Dilution |
|------------------|-----|----|----------------|--------------------|
| ELISA | ■ | | | 1/4 |
| Western Blotting | ■ | | | 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 reagent for use in their own system using appropriate negative/positive controls

Reconstitution Product Information

Reconstitute each 4g sachet in 100ml distilled water. Block Ace is designed as a highperformance blocking reagent for use in immunological assays such as ELISA and Western blotting. It may also be used for dilution of antibodies and for washing procedures in the above assays.

Block Ace has been shown to have superior performance to 1% BSA in blocking in ELISA assays. In comparison to BSA, Block Ace provides reduced backgrounds and sharper standard curves.

For blocking in ELISA applications, we recommend using a 1/4 dilution of the reconstituted solution.

For blocking in Western Blotting applications, we recommend using the reconstituted solution neat.

For washing applications we recommend a 1/10 dilution of the reconstituted solution, and adding Tween 20 to a level of 0.050.2% v/v.

For use as a test sample or secondary antibody diluent we recommend a 1/10 dilution of the reconstituted solution.

References

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3. Hara, H. *et al.* (1990) Enzyme immunoassay for measuring antibodies against skeletal muscle in patients with Myasthenia Gravis. *Clin Chem*. 36:19671969
4. Shinmoto, H. *et al.* (1988) Production of pentameric hybrid immunoglobulins consisting of IgA and IgM. *Agric. Biol. Chem*. 52:26532654
5. Ahmed, R.R. *et al.* (2010) BACE1 and BACE2 enzymatic activities in Alzheimer's disease. *J Neurochem*. 112: 104553.
6. Matsui, T.S. *et al.* (2011) Nonmuscle myosin II induces disassembly of actin stress fibres independently of myosin light chain dephosphorylation. *Interface Focus* 3 Aug. [epub ahead of print]
7. Zhang, B. *et al.* (2012) The Microtubule Stabilizing Agent, Epothilone D, Reduces Axonal Dysfunction, Neurotoxicity, Cognitive Deficits, and Alzheimer Like Pathology in an Interventional Study with Aged Tau Transgenic Mice. *J Neurosci*. 32: 360111
8. Fitz, N.F. *et al.* (2012) Abca1 Deficiency Affects Alzheimer's Disease Like Phenotype in Human ApoE4 But Not in ApoE3 Targeted Replacement Mice. *J Neurosci*. 32: 1312536.
9. Habara, P. *et al.* (2012) Novel flow cytometric method for the detection of podocalyxin positive elements in urine of patients with glomerulonephritides first promising results. *Folia Biol (Praha)*. 58: 5763.
10. Yamashita, M. *et al.* (2009) Surgical method to create vocal fold injuries in mice. *Ann Otol Rhinol Laryngol*. 118: 1318.

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| Storage | Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use. |
| Shelf Life | Prior to reconstitution, 2 years from date of despatch. After reconstitution, 1 week at 4°C. |
| Health And Safety Information | Material Safety Datasheet Documentation #10157 |
| Regulatory | For research purposes only |

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