

Anti-CBD Monoclonal Antibody



1-800-632-7799
info@neb.com
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E8034S 007140116011

E8034S

0.05 ml Lot: 0071401 Exp: 1/16

Store at -20°C

Description: Anti-CBD Monoclonal Antibody is a murine anti-chitin binding domain (CBD) antibody, isotype IgG1.

Source: Tissue culture supernatant cell line 9E6

Supplied in: 10 mM HEPES (pH 7.5), 150 mM NaCl and 50% glycerol.

Specificity: Tested by Western blot and ELISA assay. Reacts specifically with chitin-binding protein domain from *Bacillus circulans* (1,2).

Suggested Working Dilution: 1:1,000.

Quality Assurance: In an ELISA assay, a dilution of 1/1,000 gives a signal of at least 20% of the maximum signal using high concentrations of antibody. The same dilution gives a strong signal when used to detect chitin-binding domain fusion protein in Western blots developed with the Phototope-HRP Western Blot Detection System (Cell Signaling Technology). This antibody does not cross-react with other *E. coli* proteins.

Note: Store at -20°C undiluted. May be stored at 4°C diluted in buffer containing 1 mM Na₂S₂O₃ or an equivalent antimicrobial agent.

References:

1. Chong, S., Mersha, F. B., Comb, D. G., Scott, M. E., Landry, D., Vence, L. M., Perler, F. B., Benner, J., Kucera, R. B., Hirvonen, C. A., Pelletier, J. J., Paulus, H., and Xu, M.-Q. (1997) *Gene* 192, 271–281.
2. Watanabe, T., Ito, Y., Yamada, T., Hashimoto, M., Sekine, S., and Tanaka, H. (1994) *J. Bacteriol.* 176, 4465–4472.

CERTIFICATE OF ANALYSIS

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