

New England Biolabs Product Specification

Product Name: Anti-MBP Magnetic Beads
Catalog #: E8037S
Concentration: 10 mg/ml
Shelf Life: 36 months
Storage Temp: 4°C
Storage Conditions: 0.05 % NaN₃, 0.1 % BSA, 0.05 % Tween® 20, 1 X PBS, (pH 7.4 @ 25°C)
Specification Version: PS-E8037S v2.0
Effective Date: 19 Oct 2023

Assay Name/Specification (minimum release criteria)

Binding Capacity (Magnetic Beads) - Anti-MBP Magnetic Beads (1 mg) were equilibrated and incubated with 500 µl of crude extract from *E. coli* containing a plasmid that expresses a MBP5*-paramyosinΔSal fusion protein for 2 hours at 25°C, then washed and the MBP5*-paramyosinΔSal fusion protein eluted. Binding capacity was determined to be >5 µg of MBP5*-paramyosinΔSal fusion protein per mg of beads.

Functional Binding Assay (Qualitative) - Anti-MBP Magnetic Beads (1 mg) were equilibrated and incubated with 500 µl of crude extract from *E. coli* containing a plasmid that expresses a MBP5*-paramyosinΔSal fusion protein for 2 hours at 25°C, then washed, eluted and evaluated by Tris-Glycine gel to confirm low non-specific binding of extract proteins and high isolation of target.

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Date 19 Oct 2023

Lauren Brown
Quality Approver

