

## 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:* 0.02 % NaN<sub>3</sub>, 0.1 % BSA, 0.05 % Tween® 20, 1 X PBS, (pH 7.4 @ 25°C)  
*Specification Version:* PS-E8037S v1.0  
*Effective Date:* 10 Aug 2018

### Assay Name/Specification (minimum release criteria)

**Binding Capacity (Magnetic Beads)** - Anti-MBP Magnetic Beads ( 1 mg ) were equilibrated and incubated with 200 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.



Date 10 Aug 2018

Derek Robinson  
Director of Quality Control

