

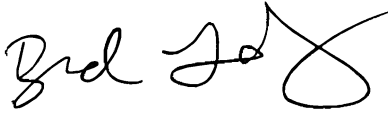
## New England Biolabs Certificate of Analysis

**Product Name:** Goat Anti-Mouse IgG Magnetic Beads  
**Catalog Number:** S1431S  
**Concentration:** 20 mg/ml  
**Packaging Lot Number:** 10060212  
**Expiration Date:** 12/2022  
**Storage Temperature:** 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-S1431S v1.0

Goat Anti-Mouse IgG Magnetic Beads Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S1431SVIAL	Goat Anti-Mouse IgG Magnetic Beads	10060213	Pass

Assay Name/Specification	Lot # 10060212
<b>RNase Activity (Buffer)</b> A 10 µl reaction in Goat Anti-Mouse IgG Magnetic Bead Storage Buffer containing 40 ng of a 300 base single-stranded RNA is incubated at 37°C. After incubation for 16 hours, >90% of the substrate RNA remains intact as determined by fluorescent detection.	Pass
<b>Non-Specific DNase Activity (16 hour, Buffer)</b> A 50 µl reaction in Goat Anti-Mouse IgG Magnetic Bead Storage Buffer containing 1 µg of PhiX174-HaeIII DNA incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.	Pass
<b>Functional Binding Assay (Qualitative)</b> Goat Anti-Mouse IgG Magnetic Beads ( 1 mg ) were equilibrated and incubated with 500 µl of Serum containing Mouse IgG for 1 hour 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.	Pass
<b>Binding Capacity (Magnetic Beads)</b> Goat Anti-Mouse IgG Magnetic Beads ( 1 mg ) were equilibrated and incubated with 200 µl of >0.5 mg/ml Purified Mouse IgG for 1 hour at 25°C, then washed and the Mouse IgG eluted. Binding capacity was determined to be >5 µg of Mouse IgG per mg of beads.	Pass

This product has been tested and shown to be in compliance with all specifications.



---

Brad Landgraf  
Production Scientist  
05 Dec 2019



---

Michael Tonello  
Packaging Quality Control Inspector  
10 Mar 2020