

New England Biolabs Certificate of Analysis

Product Name: Goat Anti-Rat IgG Magnetic Beads
Catalog #: S1433S
Concentration: 20 mg/ml
Lot #: 0051804
Assay Date: 04/2018
Expiration Date: 04/2021
Storage Temp: 4°C
Storage Conditions: 0.02 % NaN₃, 0.05 % Tween® 20, 0.1 % BSA, 1 X PBS, (pH 7.4 @ 25°C)
Specification Version: PS-S1433S v1.0
Effective Date: 15 Jun 2018

Assay Name/Specification (minimum release criteria)	Lot #0051804
Binding Capacity (Magnetic Beads) - Goat Anti-Rat IgG Magnetic Beads (1 mg) were equilibrated and incubated with 200 µl of >0.5 mg/ml Purified Rat IgG for 1 hour at 25°C, then washed and the Rat IgG eluted. Binding capacity was determined to be >5 µg of Rat IgG per mg of beads.	Pass
Functional Binding Assay (Qualitative) - Goat Anti-Rat IgG Magnetic Beads (1 mg) were equilibrated and incubated with 500 µl of Serum containing Rat 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
Non-Specific DNase Activity (16 hour, Buffer) - A 50 µl reaction in Goat Anti-Rat 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
RNase Activity (Buffer) - A 10 µl reaction in Goat Anti-Rat 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



Authorized by
Derek Robinson
15 Jun 2018



Inspected by
Michael Sproviero
01 Apr 2018

