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Add: 299 A Washington St, Woburn, MA 01801

Anti-Rabbit Agarose VHH Beads

Product Information

- Catalog Number: KTSM1342
- Volume: 1.0 mL (50% Anti-Rabbit Agarose VHH Beads)
- Storage condition: store at 4℃ for 12 months
- Binding capacity: 1.0 mL Anti-Rabbit Agarose VHH Beads slurry binds to ~4 mg Rabbit IgG
- Species Reactivity: Rabbit
- Reactivity: bind to Rabbit IgG

Product Description

Anti-Rabbit Agarose VHH Beads are suspension of activated agarose beads coupled with anti-Rabbit IgG nanobodies. This product is suitable for pulling down protein that is coupled with rabbit IgG or has rabbit Fc tag.

Application

Immunoprecipitation (IP), co-immunoprecipitation (CoIP), chromatin immunoprecipitation (CHIP), RNA-binding protein immunoprecipitation (RIP), enzyme activity detection, mass spectrometry analysis, etc.

Application Note

Before usage, please invert the vial several times (DO NOT VORTEX) to form beads suspension, and take out beads' suspension using a pipette tip with bigger opening (i.e., cut the tip of a 1000 µl pipette tip with sterile scissors). Once opened, it is recommended to use paraffin film to seal the cap.

Other Information

Beads specification: ~45 µm (7.5% cross-linked agarose beads)

Storage buffer: 1XPBS, 0.03% sodium azide, 50% glycerol

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Recommended Buffer

Buffer	Composition
Dilution /Wash buffer	50 mM Tris-HCl (pH 7.5); 150 mM NaCl; 1 mM EDTA
2×SDS loading buffer	120 mM Tris-HCl (pH 6.8); 20% glycerol; 4% SDS; 0.04% bromophenol blue; 10% β-mercaptoethanol

Working Procedures

Cell Lysate Preparation

- Add 50 µl Anti-Rabbit Agarose VHH Beads to a microcentrifuge tube loaded with 500 µl cell lysate sample, and incubate on ice for 30 min.
- Spin at 4°C and 1,200g for 3 min and transfer the supernatant to a new microcentrifuge tube.

Immunoprecipitation

- Add 5 µg primary antibody to the microcentrifuge tube containing the precleared lysate, incubate for 1 hr.
- Add 50 µl Anti-Rabbit Agarose VHH Beads. Incubate for 1 hr on a rocking platform shaker.
- Centrifuge the tube at 4°C and 1,200g for 3 min.
- Remove supernatant completely and wash the pelleted beads 3 times with 500 µl Lysis Buffer (50 mM Tris HCl, pH 8.0; 150 mM NaCl; 1% NP-40).

SDS-PAGE

- Remove the supernatant from the last washing
- Add 100 µl Laemmli Buffer (with 50mM DTT or 2% β-mercaptoethanol) to bead pellet.
- Vortex and boil at 90-100°C for 10 min.
- Spin at 1,200g for 3 min,
- Collect the supernatant,
- Load samples for SDS-PAGE analysis (devoid of any beads).