Contact: 1-413-399-9518; Fax 1-617-336-7451
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Add: 299 A Washington St, Woburn, MA 01801

Anti-Mouse Agarose VHH Beads

Product Information

- Catalog Number: KTSM1341
- Volume: 1.0 mL (50% anti-mouse IgG nanobody coated agarose beads)
- Storage condition: 4°C for 12 months.
- Binding capacity: 1.0 mL Anti-Mouse Agarose VHH Beads slurry binds to ~4 mg mouse IgG
- Species Reactivity: Mouse
- Reactivity: bind to mouse IgGs

Product Description

Anti-Mouse Agarose VHH Beads are suspension of activated agarose beads coupled with anti-mouse IgG nanobodies. This product is suitable for pulling down protein that is coupled with mouse IgGs or has mouse 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 size: ~45 µm (7.5% cross-linked agarose beads)
- Storage buffer: 1XPBS, 0.03% sodium azide, 50% glycerol.

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Working Procedures:

Cell Lysate Preparation

- Add 50 µl Anti-Mouse 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 1,200 g 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-Mouse 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 50 mM 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).

Results

Mouse IgGs IP from mouse serum using Anti-Mouse Agarose VHH Beads, as shown in the SDS-PAGE results:

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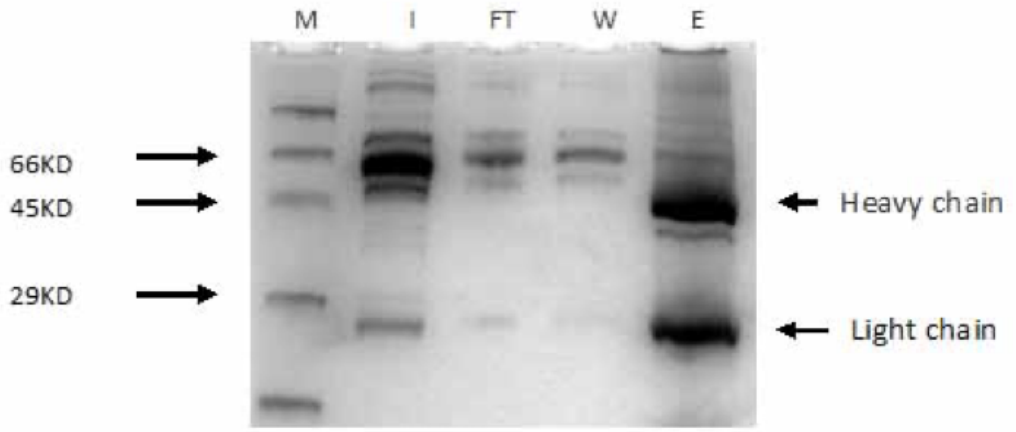

M: Marker; I: Input; FT: Flow through; W: Wash; E: Elution