Ver. HB230112

Anti-HA Affinity Gel

Product description

Anti-HA Affinity Gel is prepared by conjugating high quality murine IgG1 monoclonal antibody with Sepharose 4B gel. This product has a high HA label fusion protein loading capacity (at least 1.5 mg protein/mL gel) and less non-specific binding of miscellaneous proteins. It can be used for immunoprecipitation (IP) and purification of fusion proteins with HA labels.

Recommended Dosage: 5 μL gel per 500 μL protein crude body fluid.

Components

Components No.	Name	20586ES03	20586ES08	20586ES25	20586ES60
20586	Anti-HA Affinity Gel	1 mL	5 mL	25 mL	100 mL

Specifications

Clone	1A4
Isotype	Mouse IgG1
Purity	Protein A
Antibody Concentration	7.5 g antibody/L Gel
Application	Protein purification、IP
Protein binding capacity	⩾1.5 mg protein/mL Gel
Storage buffer	10 mM Na_3PO_4,150,mM NaCl，50% glycerin，pH7.4，contains 0.02% (w/v) sodium azide

Storage

The unopened products should be stably stored at -25°C ~-15°C for 1 year. Do not freeze in solution without glycerin!

Instructions

1. Fully re-suspension of Anti-HA affinity purification gel to form a uniform solution as far as possible. Transfer 10 μL mixture (5 μL gel) to a new centrifuge tube.
2. Add 500 μL TBS, gently reinsert the Anti-HA Affinity Gel, centrifuge at 5,000 rpm for 30 s, discard the supernatant, and repeat the above steps 3-4 times.

Note: Remove supernatant as much as possible, but do not inhale gel.

3. 200-1000 μL cell lysate was added to the above precipitation. Incubate slowly at 4°C for 2 hours.
4. Centrifuge at 5,000 rpm for 30 s and transfer the supernatant to a new centrifuge tube for storage for later detection.
5. Wash the precipitation with 0.5mL TBS for 3-4 times to complete the supernatant.
6. Elution: The specific elution conditions selected depend on the characteristics of the target protein or downstream application.

6.1 The HA fusion protein was eluted with 100 µL HA polypeptides (150 µg/mL) (Cat 20574ES), incubated slowly at 4°C for 30 min, centrifuged at 5,000 rpm for 30 s, and the supernatant was collected.

6.2 For SDS-PAGE electrophoresis, 10 µL 2× protein loading buffer was added and boiled for 5 min. Centrifuge at 5,000 rpm for 30 s and transfer supernatant carefully for SDS-PAGE detection. The SDS in the loading buffer will destroy the antibodies, so the affinity purification gel cannot be reused.

Notes

1. For your safety and health, please wear lab coats and disposable gloves for operation.
2. For research use only.