

Protein A Magnetic Beads ab214286

5 References

概述

产品名称	蛋白A Magnetic Beads
样品类型	Serum, Cell Lysate
种属反应性	与反应: Mouse, Rabbit, Horse, Guinea pig, Hamster, Cow, Human, Pig 不与反应: Rat, Sheep, Goat, Chicken
产品概述	<p>Features:</p> <p>Easy to use, high-binding capacity, non-adherent beads.</p> <p>Support Characteristics: Paramagnetic, spherical, 6 % cross-linked agarose.</p> <p>Ligand: Recombinant Protein A.</p> <p>Particle Size: 75 – 150 µm.</p> <p>Binding Capacity: Generally >25 mg human IgG/ml wet beads.</p> <p>Working Temperature: Room temperature.</p> <p>Storage Solution: PBS with 0.02% Sodium Azide.</p> <p>Storage Temperature: 4 – 8 °C.</p> <p>Applications:</p> <p>Useful for immunoprecipitation and enrichment of IgG antibodies.</p> <p>High affinity for Fc region of IgG antibodies from a variety of species.</p> <p>Protein A binds to most human and mouse IgG subclasses (e.g., human IgG1, IgG2, IgG4; mouse IgG1, IgG2a, IgG2b, IgG3).</p>

It also binds to total IgG from cow, guinea pig, hamster, horse, pig, and rabbit. Protein A has little affinity to chicken, goat, rat and sheep.

说明

This product is manufactured by BioVision, an Abcam company and was previously called 6507 Protein A Magnetic Beads. 6507-1 is the same size as the 1 ml size of ab214286.

Description:

Protein A Magnetic Beads are prepared by covalently coupling Recombinant Protein A to 6% crosslinked magnetically beaded agarose. The coupling technique is optimized to give a high binding capacity for IgG. The capacity of IgG binding is generally greater than 25 mg of human IgG per ml of wet gel.

SUGGESTED PROTOCOL:

Prepare the antibody solution by diluting the required amount of antibody in binding buffer before running the protocol.

1. Magnetic Bead Preparation (perform three times)

- a. Dispense the required amount of magnetic beads into a 1.5 ml microfuge tube.
- b. Place the tube in the magnetic rack and remove the storage solution.
- c. Add 500 μ l binding buffer.
- d. Resuspend the beads.
- e. Remove the liquid

2. Antibody Capture

- a. Immediately add the antibody solution.
- b. Resuspend and mix (slow end-over-end) for at least 15 minutes.
- c. Remove the liquid.

3. Washing

- a. Add 500 μ l Binding Buffer containing 0.5 M NaCl; Remove the liquid.
- b. Add 500 μ l Binding Buffer; Remove the liquid.

4. Target Binding

- a. Add sample diluted in binding buffer.
- b. Incubate with slow end-over-end mixing for up to 60 minutes.
- c. Remove and collect unbound fraction.

5. Washing (perform three times)

- a. Add 500 μ l wash buffer
- b. Remove liquid (save washes to troubleshoot)

6. Elution (perform three times)

- Add 2 volumes elution buffer (vs. bead volume).
- Completely resuspend beads and incubate at least 2 minutes.
- Remove and collect elution fraction.

RECOMMENDED BUFFER EXAMPLES:

Binding buffer: 50 mM Tris, 150 mM NaCl, pH 7.5

Wash buffer: 50 mM Tris, 150 mM NaCl, pH 7.5 (or add 1% Octylglucoside to this buffer) (Could also try 1X PBS as both binding and wash buffer)

Elution buffer: 0.1 M -0.2 M Glycine pH 2.5-3.1 (or 0.1 M citric acid, pH 2.5-3.1 or 2.5 % Acetic Acid)

经测试应用

适用于: Purification, IP

性能

存放说明

Store at +4°C. Please refer to protocols.

组件	1 ml
Protein A magnetic beads	1 x 1ml

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab214286于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Purification		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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