Datasheet for ABIN6720435

TrueBlot® Protein A Magnetic Beads IP/Co-IP Kit

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1 Image

Overview

Quantity:	1 kit
Application:	Immunoprecipitation (IP), Western Blotting (WB)

Product Details

Purpose:	TrueBlot® Protein A magnetic beads IP/Co-IP kit can be used for immunoprecipitation (IP) and Co-IP experiments as well as for antibody purification.
Brand:	TrueBlot®
Characteristics:	Synonyms: Magnetic beads, particles, microparticles, paramagnetic nanoparticles, magnets, immunoprecipitation, protein antibody isolation, purification, IgG Background: TrueBlot® Protein A Magnetic Beads IP/Co-IP Kit allows highly effective and efficient immunoprecipitation (IP) and co-immunoprecipitation (co-IP) of an antigen using smaller amounts of antibody (typically 1-10 µg). The kit is designed for immunoprecipitation of proteins, protein complexes, protein-nucleic acid complexes and other antigens. The specific antibody is added to the sample to form an immune complex. The immune complex is then bound to Protein A Magnetic beads. The complex is washed to remove unbound material and the bound immune complex is then eluted from the beads using low- pH elution buffer. Alternatively, the sample buffer is used for dissociation using denaturing conditions or for down-stream process for SDS-PAGE analysis. The kit includes Protein A magnetic beads for high capture efficiencies and optimized buffers for high yield of target antigen. Bead mean diameter is ~0.5 µm, bead concentration is 5 mg/mL. The kit contains magnetic beads and reagents sufficient for 20 samples or tests. (See protocol for details). The beads are removed from the solution using a magnetic separator.

Application Details

Application Notes:	Application Note: TrueBlot® Protein A magnetic beads IP/Co-IP kit can be used for immunoprecipitation (IP) and Co-IP experiments as well as for antibody purification. For IP, target specific antibody is incubated with cell lysate. Protein A magnetic beads are then incubated with antigen-antibody complex at room temperature, washed and then eluted using elution buffer. The samples are then resolved by SDS-PAGE and analyzed by Western blotting. For antibody purification, Protein A magnetic beads are incubated with the antibody solution and then separated by magnets. After the unbound particulates are washed from the beads, the bound antibodies are eluted from the beads using the elution buffer. The beads are then magnetically separated from the eluted solution, which is removed manually. Immunoprecipitation Dilution: User Optimized Western Blot Dilution: User Optimized
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	5.0 mg/mL
Storage:	RT,4 °C
Storage Comment:	The Protein A Magnetic Beads should be stored in the refrigerator (2-8 °C). The reagent must be allowed to reach room temperature (20-25 °C) before use and may be used until the expiration date. Do not freeze, dry, or centrifuge the beads as they may result in loss of binding activity and aggregation. See kit insert for storage components.
Expiry Date:	12 months

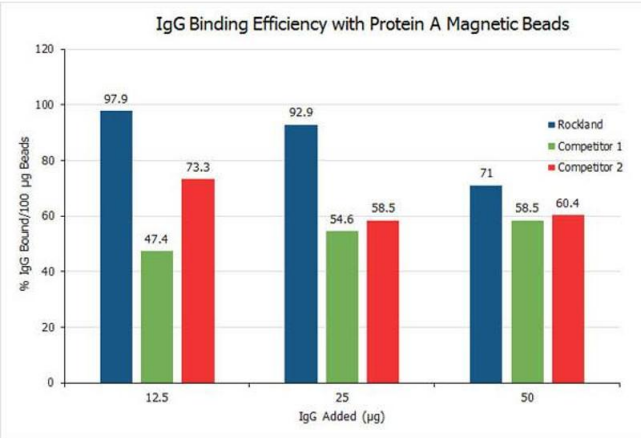

Image 1. Trueblot Protein A magnetic beads magnetic beads have approximately 1.5 to 3-fold higher binding capacity compared to beads from competitors 1 and 2 respectively. Magnetic beads (100 µg) were incubated with 12.5, 25, and 50 µg of purified rabbit IgG. Binding was calculated using BCA protein assay by subtracting amount of IgG in flow through from IgG loaded onto the beads.

