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Datasheet for ABIN6809842

TrueBlot® Protein A Magnetic Beads

Overview

Quantity: 2 mL

Application: Immunoprecipitation (IP), Western Blotting (WB)

Product Details

Purpose: TrueBlot® Protein A magnetic beads can be used for immunoprecipitation (IP) and Co-IP experiments as well as for antibody purification.

Brand: TrueBlot®

Characteristics: TrueBlot® Magnetic Beads are uniform, non-aggregating, super-paramagnetic beads consisting of a ferric oxide core functionalized with various silane groups. The super-paramagnetic nanoparticles are coupled with a biomolecule, such as Protein A, and are specifically designed, tested and quality controlled for isolation and purification of antibodies, and immunoprecipitation methods using manual or automatic platforms. Protein A, attached to magnetic bead surface, can bind to antibodies from many different species, enabling purification of antibodies from crude extracts. Immunoprecipitation assays with Protein A magnetic beads result in high capture efficiencies and high yield of target antigen. Protein A magnetic beads are stable, pre-blocked beads that provide highly purified product. Bead mean diameter is ~0.5 µm, bead concentration is 5 mg/mL, and binding capacity is ≥ 80 µg rabbit IgG/mg of beads.

Application Details

Application Notes: Western Blot : User Optimized
ImmunoPrecipitation: User Optimized
Other Dilution: User Optimized

Application Details

Comment: TrueBlot® Protein A magnetic beads 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.

Restrictions: For Research Use only

Handling

Buffer: Buffer: 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
0.01 % (w/v) Sodium Azide
Stabilizer: None

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 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.
