Datasheet for ABIN6809844

# TrueBlot® Protein G Magnetic Beads

Go to Product page

## Overview

| | |
|---|---|
| Quantity: | 2 mL |
| Application: | Immunoprecipitation (IP), Western Blotting (WB) |

## Product Details

| | |
|---|---|
| Purpose: | TrueBlot® Protein G 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 G, and are specifically designed, tested and quality controlled for isolation and purification of antibodies, and immunoprecipitation methods using manual or automatic platforms. Protein G, attached to magnetic bead surface, can bind to antibodies from many different species, including mouse, human, rabbit, cow, goat and sheep. Immunoprecipitation assays with Protein G magnetic beads result in high capture efficiencies and high yield of target antigen. Protein G magnetic beads are stable, pre-blocked beads that provide highly purified product. Bead mean diameter is ~0.5 µm, bead concentration is 5.0 mg/mL, and binding capacity is ≥ 80 µg rabbit IgG/mg of beads. |

## Application Details

| | |
|---|---|
| Application Notes: | Western Blot : User Optimized<br>ImmunoPrecipitation: User Optimized<br>Other Dilution: User Optimized |

## Application Details

| | |
|---|---|
| Comment: | TrueBlot® Protein G 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 G 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 G 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<br>0.01 % (w/v) Sodium Azide<br>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 G 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. |