Datasheet for ABIN6809833

TrueBlot® Anti-Mouse IgG Magnetic Beads

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Overview

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

Product Details

Purpose:	TrueBlot® goat Anti-mouse IgG magnetic beads can be used for separation and purification of mouse antibodies from serum or mouse antibody-labeled components, as well as for immunoassays, immunoprecipitation, and IP Western blots.
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 goat Anti-mouse IgG, and are specifically designed, tested and quality controlled for isolation and purification of mouse IgG, and immunoprecipitation methods using manual or automatic platforms. This antibody binds the heavy chain of mouse IgG and is suitable for immunoassays that utilize a mouse IgG primary polyclonal antibody. Cell separation and sorting can be achieved using a mouse IgG antibody to defined cell surface antigens. The beads have a large surface area with high capture efficiencies. The beads are in suspension and will settle upon storage. Prior to use, mix the vial gently (do not vortex) to ensure delivery of proper bead volume. Bead mean diameter is ~0.5 µm, bead concentration is 5 mg/mL.

Application Details

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

Application Details

	Other Dilution: User Optimized
Comment:	TrueBlot® goat Anti-mouse IgG magnetic beads can be used for separation and purification of mouse antibodies from serum or mouse antibody-labeled components, as well as for immunoassays, immunoprecipitation, and IP Western blots. For antibody purification, goat Anti-mouse IgG magnetic beads are incubated with the mouse 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. For IP, target specific antibody is incubated with goat Anti-mouse IgG magnetic beads. The unbound antibody is washed and the sample containing target antigen is added. After unbound particulates are washed from the beads, the purified protein is eluted from the beads using elution buffer. The samples are then resolved by SDS-PAGE and analyzed by Western blotting.
Restrictions:	For Research Use only

Handling

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:	Store vial at 4 °C prior to opening. DO NOT FREEZE.