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Datasheet for 00-1844-20

TrueBlot® Anti-Goat IgG Magnetic Beads

Overview

Description:	TrueBlot® Anti-Goat IgG Magnetic Beads - 00-1844-20
Item No.:	00-1844-20
Size:	2.0 mL
Applications:	IP, SDS-PAGE, WB
Reactivity:	Goat
Host Species:	Rabbit

Product Details

Background:	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 rabbit Anti-goat IgG, and are specifically designed, tested and quality controlled for isolation and purification of goat IgG, and immunoprecipitation methods using manual or automatic platforms. This antibody binds the heavy chain of goat IgG and is suitable for immunoassays that utilize a goat IgG primary polyclonal antibody. Cell separation and sorting can be achieved using a goat 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.
Synonyms:	Anti-Goat immunoglobulin Gamma, Magnetic-conjugated IgG, Magnetic beads, nanoparticles, paramagnetic beads, Rb-a-Gt IgG, Rabbit-anti-Goat IgG, TrueBlot, Immunoprecipitation magnetic beads, IP beads, Anti-Goat IgG Magnetic Beads
Host Species:	Rabbit
Conjugate:	Magnetic Bead
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Goat

Relevant Links:	• 00-1844 Protocol

Application Details

Tested Applications:	IP, SDS-PAGE, WB
Application Note:	TrueBlot® rabbit Anti-goat IgG magnetic beads can be used for separation and purification of goat antibodies from serum or goat antibody-labeled components, as well as for immunoassays, immunoprecipitation, and IP Western blots. Anti-Goat IgG Magnetic Beads has been tested in SDS-Page, immunoprecipitation, and western blot. For antibody purification, rabbit Anti-goat IgG magnetic beads are incubated with the goat 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 rabbit Anti-goat 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IP:	User Optimized
WB:	User Optimized

Formulation

Physical State:	Liquid
Concentration:	5mg/mL
Buffer:	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4 °C prior to opening. DO NOT FREEZE.
Expiration:	Expiration date is six (6) months from date of receipt.

References

- Peluso G. et al. Loss of the disease-associated glycosyltransferase Galnt3 alters Muc10 glycosylation and the composition of the oral microbiome *Journal of Biological Chemistry* (2020)

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