Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 00-1811-20

TrueBlot® Anti-Mouse IgG Magnetic Beads

Overview

Description:	TrueBlot® Anti-Mouse IgG Magnetic Beads - 00-1811-20
Item No.:	00-1811-20
Size:	2.0 mL
Applications:	IP, SDS-PAGE, WB
Reactivity:	Mouse
Host Species:	Goat

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 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.
Synonyms:	Anti-Mouse immunoglobulin Gamma, magnetic beads, nanoparticles, paramagnetic beads, Magnetic-conjugated IgG, Gt-a-Ms IgG, Goat-Anti-Mouse IgG, Immunoprecipitation magnetic beads, IP beads.
Host Species:	Goat
Conjugate:	Magnetic Bead
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Mouse

Relevant Links:	• 00-1811 Protocol • 00-1811-20 SDS

Application Details

Tested Applications:	IP, SDS-PAGE, WB
Application Note:	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. Anti-Mouse IgG Magnetic Beads has been tested in SDS-Page, immunoprecipitation, and western blot. 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.
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:	5.0 mg/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

- Holcomb NP et al. Dysplastic Epithelial Repair Propagates Chronic Pathology Through the Paracrine Transformation of Pulmonary Fibroblasts. *BioRxiv [Preprint].* (2026)

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.