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Datasheet for 00-1811-50

# TrueBlot® Anti-Mouse IgG Magnetic Beads

## Overview

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|---|---|
| **Description:** | TrueBlot® Anti-Mouse IgG Magnetic Beads - 00-1811-50 |
| **Item No.:** | 00-1811-50 |
| **Size:** | 5.0 mL |
| **Applications:** | IP, SDS-PAGE, WB |
| **Reactivity:** | Mouse |
| **Host Species:** | Goat |

## Product Details

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| **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, TrueBlot, Immunoprecipitation magnetic beads, IP beads. |
| **Host Species:** | Goat |
| **Conjugate:** | Magnetic Bead |
| **Clonality:** | Polyclonal |
| **Format:** | IgG |

## Target Details

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| **Reactivity:** | Mouse |

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| **Relevant Links:** | • 00-1811 Protocol |

## Application Details

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| **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

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| **Physical State:** | Liquid |
| **Concentration:** | 5 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

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| **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

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