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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet for 010-0102-0005**Mouse IgG****Overview**

| | |
|----------------------|---|
| Description: | Mouse IgG Whole Molecule - 010-0102-0005 |
| Item No.: | 010-0102-0005 |
| Size: | 5 mg |
| Applications: | SDS-PAGE, ELISA, FC, IF, Multiplex, Other, WB |
| Origin: | Mouse |

Product Details

| | |
|---------------------------|--|
| Background: | Mouse IgG purified protein (Immunoglobulin G) are antibody molecules. Mouse IgG is composed of four peptide chains — two heavy chains and two light chains. Mouse IgG has two antigen binding sites. Other Immunoglobulins may be described in terms of polymers with the IgG structure considered the monomer. Mouse IgG typically constitutes 75% of serum immunoglobulins. Mouse IgG molecules are synthesized and secreted by plasma B cells. Ideal as a negative control for Flow Cytometry, Western blotting, immunoprecipitation and immunohistochemistry applications. |
| Synonyms: | Immunoglobulin G from Mouse, IgG from Mouse, purified polyclonal IgG antibody |
| Species of Origin: | Mouse |
| Format: | IgG |
| Type: | Native Protein |

Target Details

| | |
|----------------------------|--|
| Purity/Specificity: | Mouse IgG was prepared from normal mouse serum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Mouse IgG and anti-Mouse Serum. |
| Relevant Links: | <ul style="list-style-type: none">010-0102 SDS |

Application Details

| | |
|--------------------------------|--|
| Tested Applications: | SDS-PAGE |
| Suggested Applications: | ELISA, FC, IF, Multiplex, Other, WB (Based on references) |
| Application Note: | Mouse IgG whole molecule has been tested in SDS-Page and can be utilized as a control or standard reagent in SDS, Western Blotting, and ELISA experiments. |
| Assay Dilutions: | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| ELISA: | User Optimized |
| FC: | User Optimized |
| IHC: | User Optimized |
| IP: | User Optimized |
| WB: | User Optimized |

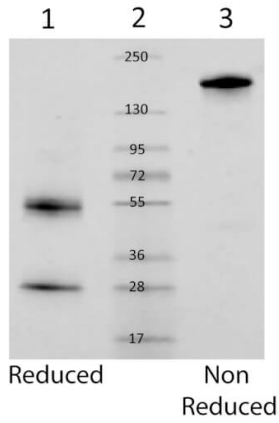
Formulation

| | |
|-------------------------------|--|
| Physical State: | Lyophilized |
| Concentration: | 10.0 mg/mL by UV absorbance at 280 nm |
| Buffer: | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| Preservative: | 0.01% (w/v) Sodium Azide |
| Stabilizer: | None |
| Reconstitution Volume: | 500 µL |
| Reconstitution Buffer: | Restore with deionized water (or equivalent) |

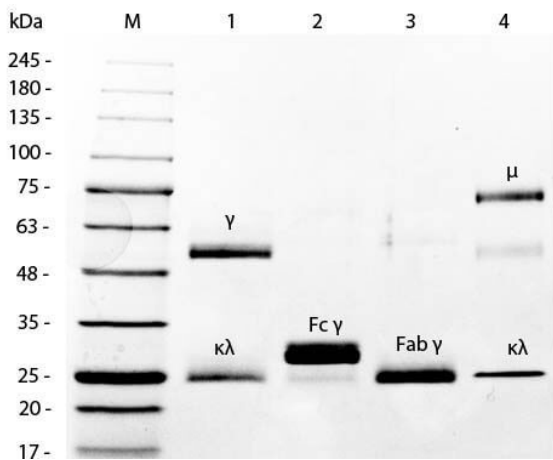
Shipping & Handling

| | |
|----------------------------|---|
| Shipping Condition: | Ambient |
| Storage Condition: | Store purified Mouse IgG at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. |
| Expiration: | Expiration date is one (1) year from date of receipt. |

Images


SDS-PAGE

SDS-Page of Mouse IgG whole molecule. Lane 1: Mouse IgG reduced. Lane 2: Molecular Weight Marker. Lane 3: Mouse IgG non-reduced. Load: 1 µg per lane. Predicted/Observed size (non-reduced): 160 kDa, 160 kDa. Predicted/Observed size (reduced): 55 and 28 kDa, 55 and 28 kDa.


SDS-PAGE

SDS-PAGE of Mouse IgG Whole Molecule Rhodamine Conjugated (p/n 010-0002). MW: 5 µL Opal Prestained Marker (p/n MB-210-0500). Lane 1: Reduced Mouse IgG Whole Molecule Rhodamine Conjugated (p/n 010-0002). Lane 2: Reduced Mouse F(c) Fragment (p/n 010-0103). Lane 3: Reduced Mouse F(ab) Fragment (p/n 010-0105). Lane 4: Mouse IgM Kappa Myeloma Protein (p/n 010-001-033). Load: 1 µg per lane. Predicted/Observed size: IgG at 50 and 25 kDa; F(c) at 25 kDa; F(ab) at 25 kDa; IgM K at 70 and 23 kDa. Observed F(c) Fragment migrates slightly higher.

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