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# Mouse IgG1 Lambda (λ) isotype Control

Monoclonal MG1L IgG1 lambda , Unconjugated
Catalog # ASR2266

## Product Information

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| **Description** | MOUSE IgG1 Lambda (λ) isotype control |
| **Conjugate** | Unconjugated |
| **Clonality** | Monoclonal MG1L IgG1 lambda |
| **Physical State** | Liquid (sterile filtered) |
| **Host Isotype** | IgG1 |
| **Buffer** | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| **Species of Origin** | Mouse |
| **Stabilizer** | None |
| **Preservative** | 0.01% (w/v) Sodium Azide |

## Additional Information

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| **Shipping Condition** | Wet Ice |
| **Application Note** | Mouse IgG1 lambda isotype control can be utilized as a control or standard reagent in Flow cytometry, Western Blotting, and ELISA experiments where determination of sample isotype is important. |
| **Purity** | Mouse Isotype control has been prepared from concentrated cell culture supernatant by immunoaffinity chromatography using protein A. Mouse igG lambda isotype control is non-reactive with antisera to mouse IgG2a, IgG2b, IgG3 , IgM, and IgA. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Mouse IgG and anti-Mouse serum. |
| **Storage Condition** | Store vial at 4° C prior to opening. Mouse IgG1 Lambda isotype control is stable 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage mix with an equal volume of glycerol, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. |
| **Precautions Note** | This product is for research use only and is not intended for therapeutic or diagnostic applications. |

## Background

Secreted as part of the adaptive immune response by plasma B cells, mouse immunoglobulin G constitutes 75% of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the compliment cascade, and opsinization for phagocytosis. IgG1 is the most abundant of the four IgG subclasses. This isotype control possesses lambda light chains.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.