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# Human IgG4 Isotype Control (S228P, L235E) Antibody

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|---|---|
| **Catalog Number:** | 303101, 303102 |
| **Size:** | 25 ug, 100 ug |
| **Target Name:** | Human IgG4 isotype control |
| **Regulatory Status:** | RUO |

## PRODUCT DETAILS

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| **Clone:** | 1016AH4M2 |
| **Application:** | Flow Cytometry |
| **Reactivity:** | N/A |
| **Format:** | Purified |
| **Isotype:** | Human IgG4 |
| **Antibody Type:** | Monoclonal |
| **Formulation:** | Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide |
| **Protein Concentration:** | 0.5 mg/mL |
| **Storage&Handling:** | Quick spin the vial after receiving. The antibody solution should be stored between 2°C and 8°C without dilution. |
| **Recommended Usage:** | Use at concentrations comparable to those used for the target-specific antibody. |
| **RRID:** | AB_3739238 |

## BACKGROUND INFORMATION

There are four IgG subclasses (IgG1, 2, 3, and 4) in humans, named in order of their abundance in serum (IgG1 being the most abundant). The measurement of immunoglobulin G can be a diagnostic tool for certain conditions. This clone carries the S228P mutation, which helps reduce half-antibody formation commonly seen in the IgG4 subclass. It also includes the L235E mutation, which minimizes unwanted side effects by silencing Fc-mediated immune responses.