

## Human IgG4 Isotype Control (S228P, L235E) Antibody

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

### PRODUCT DETAILS

---

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