

## FITC Human IgG4 isotype control (S228P, L235E) Antibody

<b>Catalog Number:</b>	303103, 303104
<b>Size:</b>	25 ug, 100 ug
<b>Target Name:</b>	Human IgG4 isotype control
<b>Regulatory Status:</b>	RUO

### PRODUCT DETAILS

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<b>Clone:</b>	1016AH4M2
<b>Application:</b>	Flow Cytometry
<b>Reactivity:</b>	N/A
<b>Format:</b>	FITC
<b>Isotype:</b>	Human IgG4
<b>Antibody Type:</b>	Monoclonal
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA
<b>Protein Concentration:</b>	0.2mg/mL
<b>Storage&amp;Handling:</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
<b>Recommended Usage:</b>	Use at concentrations comparable to those used for the target-specific antibody
<b>Excitation Laser:</b>	Blue Laser (488 nm)

### BACKGROUND INFORMATION

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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.