

**AM03095PU-N****Mouse IgG1 Isotype Control - Aff - Purified**

<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	The specificity of staining by monoclonal antibodies to target antigens should be verified by establishing the amount of non-specific antibody binding. Especially at higher concentration (more than 15 µg/ml) the antibody staining usually has consignable background. To this end a non-reactive immunoglobulin of the same isotype is included as a negative control for each specific monoclonal antibody used in a particular immunoassay.
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	PPV-06
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction (> 95% pure by SDS-PAGE) <b>Purification:</b> Protein-A Affinity Chromatography <b>Buffer System:</b> PBS, pH~7.4 <b>Preservatives:</b> 15 mM Sodium Azide
<b>Applications:</b>	<b>Flow Cytometry.</b> <b>Control Experiments:</b> The antibody is suitable for control experiments when performing cell surface staining as well as intracellular staining. For your particular experiment, use the same concentration of this isotype control antibody as the recommended working concentration of the antigen-specific antibody. Also, when working with prediluted antibodies, dilute the isotype control to the same concentration as is the concentration of the antigen-specific antibody in the prediluted antibody solution you are using. If under particular experimental conditions the background signal of the isotype control is too high (usually when working concentrations of used antibodies are above 10 µg per ml of incubation mixture), change the conditions of your experiment to reduce the background. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This Monoclonal antibody clone PPV-06 reacts with undefined epitope on a plant pathogen. The Monoclonal antibody clone PPV-06 does not cross-react with other species, and hence all the background that could be observed when working with this antibody would be a result of general non-specific interactions between an mouse IgG1 molecule and the respective sample under the particular conditions. This shall help the customer to set up the experimental conditions so that the non-specific binding of any antibody is abolished. <b>Negative Species:</b> Human, Porcine, Mouse, Rat, Other species Not tested (expected negative).
<b>Storage:</b>	Store undiluted at 2-8°C. <b>DO NOT FREEZE!</b> Shelf life: one year from despatch.

**Product Citations:****Purchased from Acris:**

*The Azide Free derivative is cited in:*

1. Zhang P, Lo A, Huang Y, Huang G, Liang G, Mott J, et al. Identification of genetic loci that control mammary tumor susceptibility through the host microenvironment. *Sci Rep.* 2015 Mar 9;5:8919. doi: 10.1038/srep08919. PubMed PMID: 25747469.