

AM03096PU-N**Mouse IgG2a Isotype Control - Aff - Purified**

Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	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 considable 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.
Host / Isotype:	Mouse / IgG2a
Clone:	PPV-04
Format:	State: Liquid purified IgG fraction (> 95% pure by SDS-PAGE) Purification: Affinity Chromatography on Protein A Buffer System: PBS, pH~7.4 Preservatives: 15mM Sodium Azide
Applications:	Flow Cytometry. Control Experiments: The antibody is suitable for control experiments when performing cell surface staining as well as intracellular staining. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This Mouse IgG2a monoclonal antibody (clone PPV-04) reacts with undefined epitope on a plant pathogen. Negative Species: Human, Porcine, Mouse, Rat, other species Not tested (expected Negative). The monoclonal antibody PPV-04, generated against a plant pathogen, 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 nonspecific interactions between an Mouse IgG2a molecule and the respective sample under the particular conditions. This shall help the customer to set up the experimental conditions so that the nonspecific binding of any antibody is abolished.
Add. Information:	Usage: The reagent is intended as isotype control for flow cytometry analysis to establish the amount of non-specific antibody binding. For your particular experiment, use the same concentration of this isotype control antibody as the recommended working concentration of the antigen-specific antibody. 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/ml of incubation mixture), change the conditions of your experiment to reduce the background.
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE! Shelf life: one year from despatch.

Product Citations:**Purchased from Acris:**

1. MacKenzie B, Korfei M, Henneke I, Sibinska Z, Tian X, Hezel S, et al. Increased FGF1-FGFRc expression in idiopathic pulmonary fibrosis. *Respir Res.* 2015 Jul 3;16:83. doi: 10.1186/s12931-015-0242-2. PubMed PMID: 26138239.
2. Sandetskaya, N;Moos, D;Pötter, H;Seifert, S;Jenerowicz, M;Becker, H;Kuhlmeier, CZ. An integrated versatile lab-on-a-chip platform for the isolation and nucleic acid-based detection of pathogens. *Future Science OA* 2017. <http://www.future-science.com/doi/abs/10.4155/fsoa-2016-0088>.