

ARG65326 Mouse IgG3 Isotype Control antibody [PPV-07]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [PPV-07] as a negative control antibody for Mouse IgG3
Species Does Not React With	Hu
Tested Application	Control, FACS
Specificity	This mouse IgG3 monoclonal antibody (clone PPV-07) reacts with undefined epitope on a plant pathogen.
Host	Mouse
Clonality	Monoclonal
Clone	PPV-07
Isotype	IgG3
Target Name	Mouse IgG3
Conjugation	Un-conjugated

Application Instructions

Cross Reactivity Note Negative Species: Human, Pig, Mouse, Rat, Other species Not tested (expected negative)

Application table

Application	Dilution
Control	Assay-dependent
FACS	Assay-dependent

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from hybridoma culture supernatant by protein-A affinity chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

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. The monoclonal antibody PPV-07, 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 IgG3 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.

Research Area

Controls and Markers antibody