

## MOUSE MONOCLONAL IgG ISOTYPE CONTROL

### *Technical Data Sheet*

#### Reagent Category

Mouse IgG Isotype Control

#### Format Supplied

1 ml of Mouse IgG Isotype Control, Concentrate

PRODUCT NUMBER: NG903C (Concentrate)

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**SOURCE:** Purified mouse IgG

**VOLUME:** 1 ml

**CONCENTRATION:** 100 µg/ml

#### **PRODUCT DESCRIPTION**

This Mouse IgG Isotype Control has no immune reactivity; it is intended for staining negative control tissue sections and cell preparations. It is to be applied as the negative control reagent in place of mouse IgG monoclonal primary antibody on the designated negative control specimens.

When staining negative control slides by using isotype controls, it is important to match several important factors such as matching the species of the isotype control with the species of the primary antibody employed. For example, when staining a mouse primary antibody of IgG class, a mouse monoclonal IgG isotype control should be used as the negative control reagent for staining the negative control. Furthermore, the concentration in micrograms per milliliter of the isotype control and primary antibody must equate. IgG concentration range for staining frozen and paraffin embedded tissue sections is 1-5 µg/ml. **This mouse IgG isotype control is to be diluted to equate the concentration of micrograms per milliliter of mouse primary antibody employed.**

#### **IgG ISOTYPE CONTROL FORMAT, DILUTION and INCUBATION**

For maximum stability This affinity purified mouse monoclonal IgG isotype control is provided in INNOVEX ImmunoDiluent (product # NB307).

This isotype control is provided in:

☐ **1 ml of concentrate (100 µg/ml)**

**Dilute this IgG isotype control to equate the number of micrograms per milliliter (µg/ml) of mouse primary antibody of IgG class employed and incubate for the same amount of time as the primary antibody.**

This concentrate Mouse IgG Isotype Control requires dilution; the dilution should make the concentration of this mouse IgG isotype control equal to mouse IgG concentration of the primary antibody employed. For example, if the mouse primary antibody of IgG class stains at 2 micrograms per ml, the negative control section must also receive 2 micrograms per ml of this mouse IgG isotype control. For diluting concentrate antibodies and isotype controls, Innovex ImmunoDiluent (product # NB307) is recommended and is provided, the use of other appropriate diluent is acceptable.

#### **APPLICATION**

This mouse monoclonal IgG isotype control is intended for use as the negative control reagent for staining negative control tissue sections and cell preparations. This IgG isotype control may be employed for use in a variety of immunoassays such as IHC, ICC, immunofluorescence (IF), Flow cytometry, ELISA, Immunoblotting and dot blotting.

For IHC, ICC and IF, this isotype control can be used for staining negative control slides for frozen and paraffin embedded histological sections of human and animal tissues.

#### **STORAGE CONDITION**

Store in refrigerator at 2-8°C through expiration date noted on the vial.

#### **IMPORTANT NOTE:**

**The interpretation of test results is the sole responsibility of the end user.**

**FOR RESEARCH USE**

**FOR ADDITIONAL TECHNICAL SUPPORT**  
Email: [techsupport@innovexbio.com](mailto:techsupport@innovexbio.com)