

# Mouse IgG1 Isotype control no azide

monoclonal antibody MOPC-21 to IgG1

Cat-No: **21275610**

100 µg in 100 µl

**Clone:** MOPC-21

**Specificity:** This mouse IgG1 monoclonal antibody (clone MOPC-21) has unknown specificity and was chosen as an isotype control after screening on variety of resting, activated, live and fixed rat and human tissues.

**Negative Species:** human, rat.

**Isotype subclass:** Mouse IgG1

**Purity:** > 98% (by SDS-PAGE)

**Expiration date:** The reagent is stable until the expiry date stated on the vial label.

**Physical state:** Liquid

**Buffer/Additives/Preservative:** sterile PBS, (pH 7.2)

**Storage conditions:** Aliquot and store at -20°C. Avoid freeze/thaw cycles. Should be handled under aseptic conditions.

**Application:** functional application

**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 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. The monoclonal antibody MOPC-21, generated against an undefined antigen, does not react specifically with rat and human samples, 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 IgG1 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.

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