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- Mindermengenzuschlag
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Purified Mouse IgG1 Isotype Control

CLX500AP

Lot:

Size: 0.1 mg

Clone: MOPC-21

Isotype: Mouse IgG1

Specificity: This mouse IgG1 kappa 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

Application: **Flow Cytometry**
Immunoprecipitation
Western Blotting
Immunohistochemistry (paraffin sections)
Immunohistochemistry (frozen sections)
Control Experiments
The antibody is suitable for control experiments when performing cell surface staining as well as intracellular staining.

Purity: > 95% (by SDS-PAGE)

Purification: Purified from cell culture supernatant by protein-G affinity chromatography.

Concentration: 1 mg/ml

Storage Buffer: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4

Storage / Stability: Store at 2-8°C. Do not use after expiration date stamped on vial label. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

Continued...

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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 considerable 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.

References:

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Laboratory Reagent For Research Use Only