Antibodies

PRODUCT DATA SHEET

12-632-C100

Mouse IgG1 Isotype Control Low Endotoxin (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
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified from cell culture supernatant by protein-G affinity chromatography.
Concentration:	1 mg/ml
Storage Buffer:	Azide free phosphate buffered saline (PBS), approx. pH 7.4; 0.2 µm filter sterilized. Endotoxin level is less than 10 EU/mg of the protein, as determined by the LAL test.
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.
Expiration:	See vial label
Lot Number:	See vial label
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.

For laboratory research only, not for drug, diagnostic or other use.

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