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30-1811: APC Conjugated Mouse IgG2a Isotype Control Monoclonal Antibody (Clone:MOPC-173)

Clonality :	Monoclonal
Clone Name :	MOPC-173
Application :	FACS
Conjugate :	APC
Isotype :	Mouse IgG2a
Immunogen Information :	The transplantable plasmacytoma MOPC-173 was induced by intraperitoneal injection of mineral oils into BALB/c mice.

Description

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-173, generated against an undefined antigen, does not react specifically with mouse, 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 IgG2a 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.

Product Info

Amount :	0.1 mg
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

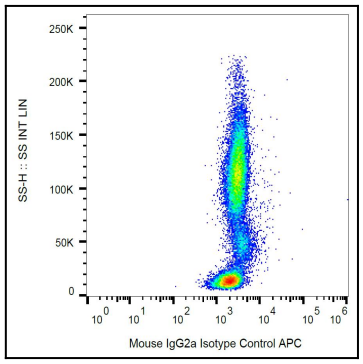

Figure 1: Example of nonspecific mouse IgG2a (MOPC-173) APC signal on human peripheral blood; surface staining, 9 µg/ml.