

Product datasheet for **AM12069FC-N**

Mouse IgG1 Isotype Control

Product data:

Product Type: Isotype Controls

Applications: FC

Host: Mouse

Isotype: IgG1

Clonality: Monoclonal

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.

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

Concentration: 1 mg/ml

Conjugation: FITC

Storage: Store the antibody at 2-8°C.

DO NOT FREEZE!

This product is photosensitive and should be protected from light.

Shelf life: one year from despatch.

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 considable 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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