

## Product datasheet for **AM03111FC-N**

### Mouse IgM Isotype Control

#### Product data:

Product Type:	Isotype Controls
Applications:	FC
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Specificity:	This antibody (clone PFR-03) reacts with undefined epitope on a plant pathogen.
Buffer:	Tris buffered saline (TBS) with 15 mM sodium azide, approx. pH 8.0
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 PFR-03, generated against a plant pathogen, does not cross-react with other species, 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 IgM 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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