

### 30-1579: Mouse IgM Isotype Control Monoclonal Antibody (Clone:PFR-03)

**Clonality :** Monoclonal  
**Clone Name :** PFR-03  
**Application :** FACS  
**Format :** Purified  
**Isotype :** Mouse IgM

#### 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 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 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.

#### Product Info

**Amount :** 0.1 mg  
**Purification :** Purified by precipitation and chromatography  
**Storage condition :** Store at 2-8°C. Do not freeze.

#### Application Note

**Flow Cytometry Control Experiments** The antibody is suitable for control experiments when performing cell surface staining as well as intracellular staining.

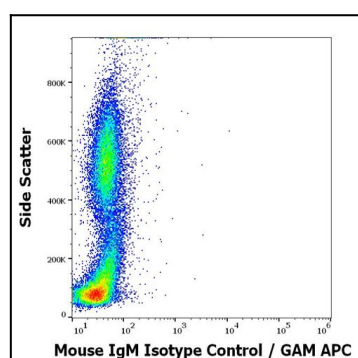


Figure 1: Flow cytometry surface nonspecific staining pattern of human peripheral whole blood stained using mouse IgM Isotype control (PFR-03) purified antibody (concentration in sample 9 µg/ml).