

## TECHNICAL DATA SHEET

### CyFlow™ IgG2b Purified Mouse Isotype Control

**REF** CK823368

**For Research Use Only.**

**Not for use in diagnostic or therapeutic procedures.**

### Specifications

<b>Antigen</b>	IgG2b Isotype Control
<b>Alternative Names</b>	—
<b>Clone</b>	PLRV219
<b>Clonality</b>	monoclonal
<b>Format</b>	Purified
<b>Host / Isotype</b>	Mouse / IgG2b
<b>Species Reactivity</b>	n/a
<b>Negative Species Reactivity</b>	Human   Mouse   Rat   Pig
<b>Quantity [Concentration]</b>	0.1 mg [ 1 mg/ml ]
<b>Immunogen</b>	< no data >

### Specificity

This mouse IgG2b monoclonal antibody (clone PLRV219) reacts with undefined epitope on a plant pathogen.

#### Contact Information:

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## Application

The reagent is designed as an isotype control for Flow Cytometry analysis. To establish the amount of non-specific antibody binding, match the concentration of the correct isotype to the recommended working concentration of the antigen-specific antibody. If the background signal of the isotype control is too high (usually when working antibody concentrations are above 10 µg/ml of incubation mixture), change the experimental conditions to reduce the background.

Other usages may be determined from the scientific literature.

## Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.1% (w/v) sodium azide.

## Storage and Stability

<b>Storage</b>	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
<b>Stability</b>	Do not use after expiration date stamped on vial label.

## Background Information

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 µ/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 PLRV219 was generated against an epitope irrelevant for human, mouse, and rat material, and can thus be used for evaluation of the background staining that is caused by general nonspecific interactions between an mouse IgG2b 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.

## References

- Glier H, Holada K: Blood storage affects the detection of cellular prion protein on peripheral blood leukocytes and circulating dendritic cells in part by promoting platelet satellitism.. J Immunol Methods. 2012 Jun 29; 380(1-2):65-72. < PMID: 22522115 >
- Rygh CB, Wang J, Thuen M, Gras Navarro A, Huuse EM, Thorsen F, Poli A, Zimmer J, Haraldseth O, Lie SA, Enger PØ, Chekenya M: Dynamic Contrast Enhanced MRI Detects Early Response to Adoptive

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PLoS One. 2014 Sep 30; 9(9):e108414. < PMID: 25268630 >

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The Safety Data Sheet for this product is available at [www.sysmex-partec.com/services](http://www.sysmex-partec.com/services).

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