

**RAT IgG1 isotype control Phycoerythrin**  
Monoclonal IgG1 , R-Phycoerythrin (RPE)  
Catalog # ASR3298

### Specification

#### RAT IgG1 isotype control Phycoerythrin - Product Information

Description	RAT IgG1 isotype control Phycoerythrin conjugated
Conjugate	R-Phycoerythrin (RPE)
FP Value	1-2 moles R-Phycoerythrin (RPE) per mole of Rat IgG1
Clonality	Monoclonal
Application	FC, E
Application Note	ELISA 1:2000-1:20,000; FlowCytometry 1:1000-1:5000
Physical State	Liquid (sterile filtered)
Host Isotype	IgG1
Species of Origin	Rat
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide

#### RAT IgG1 isotype control Phycoerythrin - Additional Information

##### Shipping Condition

Wet Ice

##### Purity

RAT IgG1 isotype control has been prepared from concentrated cell culture supernatant by immunoaffinity chromatography using protein G. In an Ouchterlony double diffusion assay the material is non-reactive with antisera to rat IgG2a, IgG2b, IgG3, IgM, and IgA. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rat IgG and anti-Rat serum. Light and heavy chain composition has been confirmed.

##### Storage Condition

Store vial at 4° C prior to opening. Dilute only prior to immediate use. This product is stable at 4° C as an undiluted liquid. DO NOT FREEZE. Store reagent in the dark. Use subdued lighting during handling and incubation of cells prior to analysis.

##### Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

#### RAT IgG1 isotype control Phycoerythrin - Protein Information

#### RAT IgG1 isotype control Phycoerythrin - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**RAT IgG1 isotype control Phycoerythrin - Images****RAT IgG1 isotype control Phycoerythrin - Background**

RAT IgG1 isotype control is used in flow cytometry, western blot and ELISA and differentiate between immunoglobulin classes and subclasses. Isotype controls allow for the genetic variations or differences in the constant regions of the heavy and light chains. In Rat there are six relevant heavy chain isotypes and two light chain isotypes: heavy chain a - IgA, ? - IgG 1, 2a, 2b, 2c and  $\mu$  - IgM, light chain ? and ?.