

**Mouse IgG2a isotype control Phycoerythrin**  
**Monoclonal M2A IgG2a , R-Phycoerythrin (RPE)**  
**Catalog # ASR3077**

### Specification

#### Mouse IgG2a isotype control Phycoerythrin - Product Information

Description	MOUSE IgG2a isotype control Phycoerythrin conjugated R-Phycoerythrin (RPE)
Conjugate	Monoclonal
Clonality	FC, E
Application	ELISA Yes; Flow Cytometry 1:1000-1:5000
Application Note	
Physical State	Lyophilized
Host Isotype	IgG2a
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Species of Origin	Mouse
Reconstitution Volume	1.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Sodium Azide

#### Mouse IgG2a isotype control Phycoerythrin - Additional Information

##### Shipping Condition

Ambient

##### Purity

This product was prepared from ascitic fluid by affinity chromatography. Assay by immuno-electro-phoresis resulted in a single precipitin arc against anti-Phycoerythrin and Anti-Mouse Serum. Specificity was confirmed by ELISA at less than 1% cross reactivity against other anti-Mouse heavy or light chain isotypes antibodies.

##### Storage Condition

Store vial at 4° C prior to opening. Dilute only prior to immediate use. Do not freeze after reconstitution. Store reagent in the dark. This product is stable at 4° C as an undiluted liquid. 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.

#### Mouse IgG2a isotype control Phycoerythrin - Protein Information

#### Mouse IgG2a 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](#)

**Mouse IgG2a isotype control Phycoerythrin - Images****Mouse IgG2a isotype control Phycoerythrin - Background**

Isotype controls are important for Flow Cytometry and have no specificity for target cells within a particular experiment. Their purpose is to confirm the specificity of primary antibody binding that it is not a result of non-specific Fc receptor binding to cells or other cellular protein interactions. Isotype controls need to be matched to the specific primary Abs (species and isotype, including heavy and light chains) being used.