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# RAT IgG2a isotype control Biotin

**Monoclonal IgG2a , Biotin**
**Catalog # ASR1132**

## Specification

### RAT IgG2a isotype control Biotin - Product Information

| | |
|---|---|
| Description | **RAT IgG2a isotype control Biotin conjugated** |
| Conjugate | **Biotin** |
| FP Value | **2-8 moles Biotin per mole of Rat IgG2a** |
| Clonality | **Monoclonal** |
| Application | **,4,10,** |
| Application Note | **ELISA 1:2000-1:20,000;FlowCytometry 1:1000-1:5000** |
| Physical State | **Liquid (sterile filtered)** |
| Host Isotype | **IgG2a** |
| Species of Origin | **Rat** |
| Stabilizer | **None** |
| Preservative | **0.01% (w/v) Sodium Azide** |

### RAT IgG2a isotype control Biotin - Additional Information

**Shipping Condition**
Wet Ice

**Purity**
RAT IgG2a 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 IgG1, 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.  This product is stable for several weeks at 4° C as an undiluted liquid.  Dilute only prior to immediate use.  DO NOT FREEZE. This product is light sensitive.

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

### RAT IgG2a isotype control Biotin - Protein Information

### RAT IgG2a isotype control Biotin - Protocols

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

- Western Blot

- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

**RAT IgG2a isotype control Biotin - Images**

**RAT IgG2a isotype control Biotin - Background**

RAT IgG2a 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 µ - IgM, light chain ? and ?.