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RAT IgG2a Kappa (κ) isotype control

Monoclonal RG2aK IgG2a kappa , Unconjugated
Catalog # ASR2536

Specification

RAT IgG2a Kappa (κ) isotype control - Product Information

Description	**RAT IgG2a Kappa (κ) isotype control**
Conjugate	**Unconjugated**
Clonality	**Monoclonal**
Application	**,4,**
Application Note	**FlowCytometry 1:1000-1:5000**
Physical State	**Liquid (sterile filtered)**
Host Isotype	**IgG2a**
Buffer	**0.02 M Potassium Phosphate, 0.5 M Sodium Chloride, pH 7.2**
Species of Origin	**Rat**
Stabilizer	**None**
Preservative	**0.01% (w/v) Sodium Azide**

RAT IgG2a Kappa (κ) isotype control - Additional Information

Shipping Condition
Wet Ice

Purity
RAT IgG2a Kappa 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 IgG1a, IgG1b, 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 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage mix with an equal volume of glycerol, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.

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

RAT IgG2a Kappa (κ) isotype control - Protein Information

RAT IgG2a Kappa (κ) isotype control - 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 Kappa (κ) isotype control - Images

RAT IgG2a Kappa (κ) isotype control - Background

RAT IgG2a Kappa isotype controls are 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 ?.