

# Mouse IgG2b Kappa (κ) isotype Control

Monoclonal M2BK IgG2b , Unconjugated

Catalog # ASR2269

## Product Information

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<b>Description</b>	MOUSE IgG2b Kappa (κ) isotype control
<b>Conjugate</b>	Unconjugated
<b>Clonality</b>	Monoclonal M2BK IgG2b
<b>Physical State</b>	Liquid (sterile filtered)
<b>Host Isotype</b>	IgG2b
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.5 M Sodium Chloride, pH 7.2
<b>Species of Origin</b>	Mouse
<b>Stabilizer</b>	None
<b>Preservative</b>	0.01% (w/v) Sodium Azide

## Additional Information

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<b>Shipping Condition</b>	Wet Ice
<b>Application Note</b>	Mouse IgG2b kappa isotype control can be utilized as a control or standard reagent in Flow cytometry, Western Blotting, and ELISA experiments where determination of sample isotype is important.
<b>Purity</b>	Mouse Isotype control has been prepared from concentrated cell culture supernatant by immunoaffinity chromatography using protein A. In an Ouchterlony double diffusion assay the material is non-reactive with antisera to mouse IgG1, IgG2a, IgG3 , IgM , and IgA. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Mouse IgG and anti-Mouse serum. Light and heavy chain composition confirmed by RID.
<b>Storage Condition</b>	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.
<b>Precautions Note</b>	This product is for research use only and is not intended for therapeutic or diagnostic applications.

## Background

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Mouse 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 mouse there are six relevant heavy chain isotypes and two light chain isotypes: heavy chain α - IgA, γ - IgG 1, 2a, 2b, 3 and μ - IgM, light chain λ and κ.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.