

Mouse IgG2a Lambda (λ) isotype Control

Monoclonal M2AL IgG2a , Unconjugated Catalog # ASR2268

Product Information

Description MOUSE IgG2a Lambda (λ) isotype control

Conjugate Unconjugated

Clonality Monoclonal M2AL IgG2a
Physical State Liquid (sterile filtered)

Host Isotype IgG2a

Buffer 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Species of Origin Mouse **Stabilizer** None

Preservative 0.01% (w/v) Sodium Azide

Additional Information

Shipping Condition Wet Ice

Application Note Mouse IgG2a lambda 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.

Purity Mouse Isotype control has been prepared from concentrated cell culture

supernatant by immunoaffinity chromatography using protein A. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Mouse IgG and anti-Mouse serum. By ELISA, the material is non-reactive with antibodies to mouse IgG1, IgG2b, IgG3, IgM and IgA. Light and heavy chain

composition confirmed by ELISA.

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 NoteThis product is for research use only and is not intended for therapeutic or

diagnostic applications.

Background

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 a - IgA, ? - IgG 1, 2a, 2b, 3 and \Box - IgM, light chain ? and ?.

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