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Rabbit anti Mouse IgG2a (subclass specific)

Catalogue number: **RAM/IgG2a**

Clone	Polyclonal
Product Type	Secondary Antibodies
Units	1 ml
Host	Rabbit
Species reactivity	Mouse
Application	Immunoprecipitation

Background

The reactivity of the antiserum is restricted to the Fc portion of the IgG2a molecule. In immunoelectrophoresis and radial immunodiffusion, using various antiserum concentrations against mouse serum of the allelic type Igh-1a, including Balb/C, CBA, AKR and NZB, a single characteristic precipitin line is obtained which shows a reaction of identity with the precipitin line obtained with purified IgG2a. No precipitation reaction is obtained with purified IgG2c (formerly known as IgG2a(1b)) isolated from mouse strains C57Bl and SJL/J, other IgG subclasses, IgA, IgG/Fab fragments or other serum proteins. In precipitating techniques as immunoelectrophoresis and radial immunodiffusion to identify the presence of IgG2a in mouse serum and other body fluids or to determine its concentration. To prepare an immunoadsorbent for the purification of mouse IgG2a from serum or plasma. This antiserum is not intended for use in non-precipitating antibodybinding or other highly sensitive assays. For such use labelled an unlabelled cytochemical and immunoassay grade reagents meeting the necessary additional specificity and performance requirements are available.

Source

Highly purified normal homogenous IgG2a (formerly IgG2a(1a)) isolated from mouse serum. Freund's complete adjuvant is used in the first step of the immunization procedure.

Product

Delipidated, heat inactivated, lyophilized, stable whole antiserum. No preservative added. Total protein and IgG concentrations in the antiserum are comparable to those of pooled normal rabbit serum. No foreign proteins added.

Applications

Distributors

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Immunoprecipitation. The lyophilized antiserum is shipped at ambient temperature and may be stored at +4°C; prolonged storage at or below -20°C. Reconstitute the lyophilized antiserum by adding 1 ml sterile distilled water. Dilutions may be prepared by adding phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the antiserum. Diluted antiserum should be stored at +4°C, not refrozen, and preferably used the same day.

Cross Reactivity

The antiSerum does not cross-react with any other component of the Mouse Ig system. Inter-species cross reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants. Cross-reactivity of this antiSerum has not been tested in detail; expected chance of cross-reactivity will be small.

Specificity

Precipitating polyclonal Rabbit antiSerum to Mouse IgG2a, allotype specific

Storage

Lyophilized at +4°C--at least 10 years. Reconstituted at or below -20°C--3-5 years. Reconstituted at +4°C--7 days

Caution

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. This datasheet is as accurate as reasonably achievable, but Nordic-MUbio accepts no liability for any inaccuracies or omissions in this information.