

Description	Precipitating polyclonal rabbit antiserum to mouse IgG2a, allotype specific	
Product code	RAM/IgG2a	
Biological origin	Rabbit	
Physical form	Delipidated, heat inactivated, lyophilized, stable whole antiserum	
Preservative	No preservative added	
Immunogen	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.	
Adsorption	Immunoaffinity adsorbed using antigens as required, to eliminate antibodies cross-reacting with other components of the immunoglobulin system or reacting with other serum proteins.	
Identity & Specificity	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.	
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.	
Protein concentration	Total protein and IgG concentrations in the antiserum are comparable to those of pooled normal rabbit serum. No foreign proteins added.	
Antibody titre	Precipitin titre 1:8 when tested against pooled normal Igh-1a allotype mouse serum in agar-block immunodiffusion titration.	
Intended use	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 immunoabsorbent for the purification of mouse IgG2a from serum or plasma. This antiserum is not intended for use in non-precipitating antibody-binding or other highly sensitive assays. For such use labelled and unlabelled cytochemical and immunoassay grade reagents meeting the necessary additional specificity and performance requirements are available.	
Directions for use	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.	
Packing	Vial with 1 ml lyophilized antiserum.	
Storage / shelf life	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 antiserum should be handled by qualified persons only and appropriate precautions should be taken in its handling and disposal, and of all associated materials. For <i>in vitro</i> research purposes only.	

NORDIC IMMUNOLOGICAL LABORATORIES

Langendijk 25, 5652 AX Eindhoven, The Netherlands

Tel. +31 630 070 625, Fax: +31 402 920 069

E-mail: info@nordiclabs.nl

www.nordiclabs.nl