

Datasheet for ABIN1099735

Sheep anti-Mouse IgG2a (Allotype 1a) Antibody (Biotin)[Go to Product page](#)

Overview

Quantity:	1 mL
Target:	IgG2a
Binding Specificity:	Allotype 1a
Reactivity:	Mouse
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	Biotin
Application:	ELISA, Western Blotting (WB), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Dot Blot (DB)

Product Details

Immunogen:	Highly purified normal homogenous IgG2a(1a) isolated from mouse serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Specificity:	Biotin-conjugated IgG fraction of polyclonal Sheep antiSerum to Mouse IgG2a(1a), allotype specific.
Cross-Reactivity (Details):	The antiSerum does not cross-react with any other component of the Mouse Ig system. Inter-species crossreactivity 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.
Characteristics:	The reactivity of the antiserum is restricted to the Fc portion of the IgG2a molecule. In immunoelectrophoresis and radial immunodiffusion, using various antiserum concentrations

Product Details

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(1a). No precipitation reaction is obtained with purified IgG2a(1b) (C57Bl and SJL/J), other IgG subclasses, IgA, IgM, IgG/Fab fragments or other serum proteins. In immunocytochemical and immunohistochemical staining for the detection of IgG2a(1a) at the cellular and subcellular level. In non-isotopic assay methodology (e.g. ELISA) to identify and measure IgG2a(1a) in mouse serum or other body fluids. As a second step an avidin or streptavidin conjugate of the user's choice has to be used. This immunoconjugate is not pre-diluted. The optimum working dilution of each conjugate should be established by titration before being used. Excess labelled antibody must be avoided because it may cause high unspecific background staining and interfere with the specific signal.

Purification: Purified

Target Details

Target: IgG2a

Abstract: [IgG2a Products](#)

Target Type: Antibody

Application Details

Application Notes: ELISA,Immunocytochemistry,Immunohistochemistry (paraffin),Dot blot,Immunoblotting.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: It is reconstituted by adding 1 mL sterile distilled water, spun down to remove insoluble particles, divided into small aliquots, frozen and stored at or below -20 °C.Biotin-coupled purified hyperimmune IgG fraction, lyophilized from a solution in phosphate buffered saline (pH 7.2). No preservative added, as it may interfere with the antibody activity. It is reconstituted by adding 1 mL sterile distilled water, spun down to remove insoluble particles, divided into small aliquots, frozen and stored at or below -20 °C.

Buffer: Biotin-coupled purified hyperimmune IgG fraction, lyophilized from a solution in phosphate buffered saline (pH 7.2). No preservative added, as it may interfere with the antibody activity.

Handling

Preservative:	Without preservative
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Storage:	RT, 4 °C, -20 °C
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Storage Comment:	<p>The lyophilized immunoconjugate is shipped at ambient temperature and may be stored at +4°C, prolonged storage at or below -20°C. Prior to use, an aliquot is thawed slowly in the dark at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at +4°C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the product.</p>
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