

Datasheet for ABIN457811

Sheep anti-Horse IgG (Heavy & Light Chain) Antibody



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Overview

Quantity:	1 mL
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Horse
Host:	Sheep
Clonality:	Polyclonal
Application:	Immunoprecipitation (IP)

Product Details

Immunogen:	Purified normal IgG isolated from pooled horse serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Specificity:	Precipitating polyclonal Sheep antiSerum to Horse IgG, heavy and light chains.
Cross-Reactivity (Details):	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.
Characteristics:	The reactivity of the antiserum is directed to the Fc and Fab subunits of both subclasses IgG1 and IgG2. Reactivity with other subclasses of horse IgG has not been tested. The antiserum reacts with both Fc and Fab portions of polyclonal IgG. It includes a certain degree of reactivity with other immunoglobulins via the common Fab portion. In immunoelectrophoresis against horse serum usually a single characteristic precipitin line is observed, representing primarily IgG2. If the level of IgG1, also known as IgG(T), in the serum sample approaches the level of IgG2, it may become visible as a second precipitin line. It does not react with any non-Ig protein

Product Details

in horse serum, as tested by immunoelectrophoresis and double radial immunodiffusion. In immunoelectrophoresis and double radial immunodiffusion to identify the presence of IgG, as secondary antibody to precipitate the immunoglobulin in normal horse serum, to prepare an immunoadsorbent for the production of Ig-free horse serum, plasma or non-Ig preparations. It has not been tested for use in nephelometry, ELISA or immunohistology, but this does not exclude such use if proper controls are included.

Purification:	Delipidated, heat inactivated, stable whole serum
Sterility:	Heat-inactivated

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody

Application Details

Application Notes:	In immunoelectrophoresis use 2 µL or equivalent against 120 µL antiserum. In double radial immunodiffusion (Ouchterlony) use a rosette arrangement with 10 µL antiserum in a 3 mm diameter centre well and 2 µL serum samples (neat and diluted) in 2 mm diameter peripheral wells.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	It is reconstituted by adding 1 mL sterile distilled water. Delipidated, heat inactivated lyophilized stable whole serum. No preservative added, as it may interfere with the antibody activity. No foreign protein added. Total protein and IgG concentration in the antiserum are comparable to those of pooled sheep serum. No foreign proteins added. It is reconstituted by adding 1 mL sterile distilled water.
Buffer:	Delipidated, heat inactivated lyophilized stable whole serum. No preservative added, as it may interfere with the antibody activity. No foreign protein added. Total protein and IgG concentration in the antiserum are comparable to those of pooled sheep serum.
Preservative:	Without preservative

Handling

Storage:	RT, 4 °C, -20 °C
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Storage Comment:	<p>The lyophilized antiserum is shipped at ambient temperature and may be stored at +4°C, prolonged storage at or below -20°C. Working dilutions are prepared 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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