

<b>Description</b>	<b>Precipitating polyclonal rabbit antiserum to goat IgG, heavy and light chains</b>				
<b>Product code</b>	RAG/IgG(H+L)				
<b>Biological origin</b>	Rabbit				
<b>Physical form</b>	Delipidated, heat inactivated lyophilized stable whole serum				
<b>Preservative</b>	No preservative added, as it may interfere with the antibody activity. No foreign protein added.				
<b>Immunogen</b>	Purified normal IgG isolated from pooled goat serum. Freund's complete adjuvant is used in the first step of the immunization procedure.				
<b>Adsorption</b>	No adsorption required.				
<b>Identity &amp; Specificity</b>	The reactivity of the antiserum is directed to the Fc and Fab subunits of the IgG molecule. It includes a certain degree of reactivity with other immunoglobulins via the common Fab portion. It does not react with any non-Ig protein in goat serum, as tested by immunoelectrophoresis and double radial immunodiffusion.				
<b>Cross-reactivity</b>	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 been tested in double radial immunodiffusion with the following results:				
	bovine ±	dog -	horse -	monkey -	sheep +
	cat ±	guinea pig -	human ±	pigeon -	swine -
	chicken -	hamster -	mouse -	rat -	turkey -
<b>Protein concentration</b>	Total protein and IgG concentration in the antiserum are comparable to those of pooled rabbit serum. No foreign proteins added.				
<b>Antibody titre</b>	Precipitin titre not less than 1:64 when tested against normal goat serum in agar block titration.				
<b>Intended use</b>	In immunoelectrophoresis and double radial immunodiffusion to identify the presence of IgG; as secondary antibody to precipitate the immunoglobulin in normal goat serum; to prepare an immunoadsorbent for the production of Ig-free goat serum, plasma or non-Ig preparations.				
<b>Directions for use</b>	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.				
<b>Handling</b>	The lyophilized antiserum is shipped at ambient temperature and may be stored at +4°C; prolonged storage at or below -20°C. It is reconstituted by adding 1 ml sterile distilled water. 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.				
<b>Packing</b>	Vial with 1 ml lyophilized antiserum.				
<b>Storage / shelf life</b>	Lyophilized at +4°C	at least 10 years			
	reconstituted at or below -20°C	3-5 years			
	reconstituted at +4°C	7 days			
<b>Caution</b>	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> laboratory research purposes only.				

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