

<b>Description</b>	<b>Precipitating polyclonal goat antiserum to monkey IgG, heavy and light chains</b>	
<b>Product code</b>	GAMon/IgG(H+L)	
<b>Biological origin</b>	Goat	
<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 rhesus monkey 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 monkey 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. Precipitation reactions have been observed with IgG in serum of other old-world monkeys, including Cercopithecus, Cynomolgus and Baboon. The antiserum may also react with IgG of other species as has been observed for chimpanzee and man. Other results of cross reactivity testing using double radial immunodiffusion are as follows: bovine -            dog -            horse -            pigeon -            sheep - cat -                guinea pig -        human ++        rabbit -            swine - chicken -           hamster -           mouse -            rat -                turkey -	
<b>Protein concentration</b>	Total protein and IgG concentration in the antiserum are comparable to those of pooled goat serum. No foreign proteins added.	
<b>Antibody titre</b>	Precipitin titre not less than 1:128 when tested against normal monkey serum in agar block titration.	
<b>Intended use</b>	In precipitating techniques as immunoelectrophoresis and double radial immunodiffusion to identify the presence of IgG; as secondary antibody to precipitate the immunoglobulin in normal monkey serum; to prepare an immunoadsorbent for the production of Ig-free monkey 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 lyophilised 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>	Lyophilised 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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