

Description	Precipitating polyclonal goat antiserum to mouse Fab of IgG																
Product code	GAM/Fab																
Biological origin	Goat																
Physical form	Delipidated, heat inactivated lyophilized stable whole serum																
Preservative	No preservative added.																
Immunogen	Purified Fab of normal mouse IgG. Freund's complete adjuvant is used in the first step of the immunization procedure.																
Adsorption	Immunoaffinity adsorbed using insolubilized antigens as required to eliminate antibodies reacting with other subunits of the immunoglobulin or reacting with other serum proteins. The use of insolubilized adsorption antigens prevents the presence of foreign protein or immune complexes in the antiserum.																
Identity & Specificity	The antiserum is reacting with the Fab subunit of intact IgG, IgA and IgM and other Ig classes of both light chain types, with their Fab or F(ab') ₂ subunits and with free light chains of kappa and lambda type as tested in immunoelectrophoresis and double radial immunodiffusion.																
Cross-reactivity	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: <table><tr><td>bovine -</td><td>duck -</td><td>human -</td><td>rat +</td></tr><tr><td>cat -</td><td>goat ±</td><td>horse -</td><td>sheep -</td></tr><tr><td>chicken -</td><td>guinea pig +</td><td>monkey -</td><td>swine -</td></tr><tr><td>dog -</td><td>hamster -</td><td>rabbit -</td><td>turkey -</td></tr></table>	bovine -	duck -	human -	rat +	cat -	goat ±	horse -	sheep -	chicken -	guinea pig +	monkey -	swine -	dog -	hamster -	rabbit -	turkey -
bovine -	duck -	human -	rat +														
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chicken -	guinea pig +	monkey -	swine -														
dog -	hamster -	rabbit -	turkey -														
Protein concentration	Total protein and IgG concentration in the antiserum are comparable to those of pooled goat serum. No foreign proteins added.																
Antibody titre	Precipitin titre not less than 1:64 when tested against normal mouse serum in agar block titration.																
Intended use	In precipitating techniques as immunoelectrophoresis and double radial immunodiffusion to identify the presence of Fab, free or bound.																
Directions for use	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.																
Handling	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.																
Packing	Vial with 1 ml lyophilized antiserum.																
Storage / shelf life	Lyophilized at +4°C reconstituted at or below -20°C reconstituted at +4°C	at least 10 years 3-5 years 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> laboratory research purposes only.																

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