

<b>Description</b>	<b>Precipitating polyclonal goat antiserum to mouse IgG2b, subclass specific</b>	
<b>Product code</b>	GAM/IgG2b	
<b>Biological origin</b>	Goat	
<b>Physical form</b>	Delipidated, heat inactivated, lyophilized, stable whole antiserum	
<b>Preservative</b>	No preservative added, as it may interfere with the antibody activity.	
<b>Immunogen</b>	Pools of purified homogenous IgG2b isolated from mouse serum. Freund's complete adjuvant is used in the first step of the immunization procedure.	
<b>Adsorption</b>	Immunoaffinity adsorbed using insolubilized antigens as required to eliminate antibodies cross-reacting with other components of the immunoglobulin system or reacting with other serum proteins. Special attention is given to the removal of antibodies to common Ig/Fab. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.	
<b>Identity &amp; Specificity</b>	The reactivity of the antiserum is directed to the subclass IgG2b. It does not react with other subclasses of IgG, IgG/Fab fragments, IgM and IgA or any non-Ig protein in mouse serum, as tested by immunoelectrophoresis and double radial immunodiffusion.	
<b>Cross-reactivity</b>	This antiserum is not species-specific since inter-species cross-reactivity is a normal feature of antisera to immunoglobulins. Cross-reactivity has not been tested in detail.	
<b>Protein concentration</b>	Total protein and IgG concentration in the antiserum are comparable to those of pooled normal goat serum. No foreign proteins added.	
<b>Antibody titre</b>	Precipitin titre not less than 1:32 when tested against pooled normal mouse serum in agar block immunodiffusion titration.	
<b>Intended use</b>	In immunoelectrophoresis use 2 $\mu$ l or equivalent against 120 $\mu$ l antiserum. In double radial immunodiffusion (Ouchterlony) use a rosette arrangement with 10 $\mu$ l antiserum in a 3 mm diameter centre well and 2 $\mu$ l 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. Reconstitute the lyophilized antiserum by adding 1 ml sterile distilled water. Dilutions may be prepared by adding phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the antiserum. Diluted antiserum should be stored at +4°C, not refrozen, and preferably used the same day.	
<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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