

<b>Description</b>	<b>Precipitating polyclonal sheep antiserum to rat Fab of IgG</b>	
<b>Product code</b>	ShARa/Fab	
<b>Biological origin</b>	Sheep	
<b>Physical form</b>	Delipidated, heat inactivated lyophilized stable whole serum	
<b>Preservative</b>	No preservative added.	
<b>Immunogen</b>	Purified Fab of normal rat IgG. 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 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.	
<b>Identity &amp; Specificity</b>	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') <sub>2</sub> subunits and with free light chains of kappa and lambda type as tested in 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 not been tested in detail, however in double radial immunodiffusion a reaction with mouse and human has been observed.	
<b>Protein concentration</b>	Total protein and IgG concentration in the antiserum are comparable to those of pooled sheep serum. No foreign proteins added.	
<b>Antibody titre</b>	Precipitin titre not less than 1:16 when tested against normal rat serum in agar block titration.	
<b>Intended use</b>	In precipitating techniques as immunoelectrophoresis and double radial immunodiffusion to identify the presence of Fab, free or bound.	
<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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