

<b>Description</b>	<b>Precipitating polyclonal rabbit antiserum to mouse milk-specific proteins</b>	
<b>Product code</b>	RAM/MSP	
<b>Biological origin</b>	Rabbit	
<b>Physical form</b>	Delipidated, heat inactivated, lyophilized, stable whole antiserum	
<b>Preservative</b>	No preservative added.	
<b>Immunogen</b>	Pooled mouse milk. Freund's complete adjuvant is used in the first step of the immunization procedure.	
<b>Adsorption</b>	Immunoaffinity adsorbed with normal mouse serum fractions to eliminate antibodies reacting with mouse serum proteins.	
<b>Identity &amp; Specificity</b>	In immunoelectrophoresis against mouse milk precipitation of not less than 7 different proteins may be obtained. However the number of visible precipitin lines varies among individual specimens of mouse milk. The total concentration of protein, their proportion of the different protein components change markedly during the course of lactation. There are also strain differences in the protein composition, but differences among individual animals tend to be greater. A protein detected in a mouse secretion by this antiserum is of secretory origin. However an analogous or homologous protein may be present also in other kind of secretions (e.g. saliva). Not all precipitable proteins have been identified. Known proteins include free secretory component and lactoferrin.	
<b>Protein concentration</b>	Total protein and IgG concentrations in the antiserum are comparable to those of pooled normal rabbit serum. No foreign proteins added.	
<b>Antibody titre</b>	Different bleedings of the immunized animals are pooled to obtain a broad spectrum balanced against the varying concentrations of the individual protein components in individual milk samples.	
<b>Cross reactivity</b>	Inter-species cross reactivity is a normal feature of antibodies to animal proteins since homologous proteins of different species frequently share antigenic determinants. This antiserum has not been adsorbed for such cross reactivity. Consequently it is not species-specific.	
<b>Intended use</b>	In immunoelectrophoresis to identify the milk protein pattern, to compare individual samples and to make comparisons with serum protein patterns or those of other secretions; to identify individual components, their possible origin and significant changes in concentration. To test the purity of an isolated milk protein..	
<b>Directions for use</b>	In immunoelectrophoresis use 2 µl milk or equivalent against 120 µl antiserum. In double radial immunodiffusion (Ouchterlony) use a rosette arrangement with 10 µl antiserum in 3 mm diameter center well and 2 µl milk samples (neat and serially diluted in 2 mm diameter peripheral wells).	
<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>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>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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