Description	**Precipitating polyclonal goat antiserum to human high molecular weight kininogen**
Product code	GAHu/HMWK
Biological origin	Goat
Physical form	Delipidated, heat inactivated, lyophilized, stable whole serum.
Preservative	No preservative added.
Immunogen	Highly purified molecular weight kininogen isolated from pooled plasma. 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 human serum proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.
Identity & Specificity	The defined antibody specificity is to human high molecular weight kininogen. In immunoelectrophoresis, bi-dimensional electrophoresis and radial immunodiffusion (Ouchterlony, Mancini), using various antiserum concentrations against normal plasma, one single precipitin line is obtained. No precipitation is observed against plasma of patients with high molecular weight kininogen deficiency, but its presence can be demonstrated in normal serum. In double radial immunodiffusion the precipitin line obtained against normal plasma shows a reaction of full identity with the precipitin line with purified high molecular weight kininogen.
Cross-reactivity	The antiserum does not cross-react with any other human plasma proteins as tested in gel-diffusion techniques. Inter-species cross-reactivity is a normal feature of antibodies to plasma proteins, since homologous proteins 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 monkey has been observed.
Protein concentration	Total protein and IgG concentration in the antiserum are comparable to those of pooled normal goat serum. No foreign proteins added.
Antibody titre	Precipitin titre not less than 1:32 when tested against normal human plasma in agar block immunodiffusion titration.
Intended use	As precipitating antiserum in electroimmunodiffusion, immunoelectrophoresis and radial immunodiffusion. This does not exclude the use of the antiserum in more sensitive techniques if proper controls are included.
Directions for use	In electroimmunodiffusion (Laurell) the amount of antiserum required in the agarose gel is usually between 1 and 2%, depending on the test arrangement.
Packing	Vial with 1 ml lyophilized antiserum.
Storage / shelf life	Lyophilized at +4°C — at least 10 years reconstituted at or below -20°C — 3-5 years reconstituted at +4°C — 7 days
Handling	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.
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 *in vitro* research purposes only.

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