NORDIC IMMUNOLOGY

Product Specification

Description	**Precipitating polyclonal rabbit antiserum to human beta-1 lipoprotein (LDL)**
Product code	RAHu/B1Lp(LDL)
Biological origin	Rabbit
Physical form	Delipidated, heat inactivated, lyophilized, stable whole serum.
Preservative	No preservative added.
Immunogen	Beta-1 lipoprotein has a molecular weight of 2,700,000. The protein is isolated from normal serum. 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 restricted to beta-1 lipoprotein as tested at the level of sensitivity of immunoprecipitation techniques. The antiserum does not react with any other protein component of human serum or plasma.
Cross-reactivity	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.
Protein concentration	Total protein and IgG concentrations in the antiserum are comparable to those of normal pooled rabbit serum. No foreign proteins added.
Antibody titre	Precipitin titre not less than 1:16 when tested in agar block immunodiffusion titration against normal human serum.
Intended use	In precipitating techniques as immunoelectrophoresis and single and double radial immuno-diffusion to identify the presence transferrin in human serum or other body fluids and to determine its concentration. This antiserum has not been tested in more sensitive assays as nephelometry, ELISA or use in immunohistology, but this does not exclude such use if proper controls are included.
Directions for use	In immunoelectrophoresis use 2 µl serum or equivalent against 120 µl antiserum. In double radial immunodiffusion use a rosette arrangement with 10 µl antiserum in 3 mm diameter centre well and 2 µl serum samples (neat and serially diluted) in 2 mm diameter peripheral wells.
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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