

Rabbit anti Human Ig kappa light chain (free) Secondary Antibody

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CATALOG # AAA77600	HOST Rabbit	REACTIVITY Human
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PRODUCT SYNONYMS

Rabbit anti Human Ig kappa light chain (free); Polyclonal Secondary Antibody; Rabbit anti Human Ig kappa light chain (free) secondary antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	Precipitating polyclonal Rabbit antiSerum to free Human Ig kappa chain.
Form/Format	Delipidated, heat inactivated lyophilized whole serum. No preservative added, as it may interfere with the antibody activity. It is reconstituted by adding 1 ml sterile distilled water, spun down to remove insoluble particles
Host Note	A pool of purified Bence Jones kappa proteins isolated from human urine. Freund's complete adjuvant is used in the first step of the immunization procedure.
Reactivity Note	Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins and their fragments, since Ig of different species frequently share antigenic determinants. Crossreactivity of this antiSerum has not been tested in detail.
Preparation and Storage	The lyophilized product is shipped at ambient temperature and may be stored at +4°C; prolonged storage at or below -20°C. 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.

ADDITIONAL INFORMATION

Related Product Information for Rabbit anti Human Ig kappa light chain (free) secondary antibody	The reactivity of the antiserum is directed to the hidden determinants of Ig kappa light chain. In immunoelectrophoresis this antiserum is only reacting with Bence Jones proteins as well as free light chains of the kappa type. No reaction is obtained with intact polyclonal or monoclonal immunoglobulins. To detect and identify free light chain type and Bence Jones protein in serum or urine by To detect and identify free light chain type and Bence Jones protein in serum or urine by immunoelectrophoresis or double radial immunodiffusion. It is of great importance as an aid in the identification of B cell malignancies such a multiple myeloma and non-Hodgkin lymphoma, and in monitoring their therapy. In immunoelectrophoresis use 1.2 ?l of sample in a well with a diameter of 1 mm against 60 ?l antiserum in a 20 mm long channel. Electrophoresis for 1 hour, 20 mA. The detection limit of this technique in serum is about 25 mg/l; in the case 100 times concentrated urine is used the detection limit can be brought down to 0.5 mg/l. The fact that in about 40% of the case the Bence Jones protein was only detectable in either serum or urine emphasizes the necessity to investigate both fluids.
Product Categories/Family for Rabbit anti Human Ig kappa light chain (free) secondary antibody	Antisera

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.