

Description	Monoclonal mouse antiserum to human Ig kappa chain, free and bound	
Product code	MAHu/BJK	
Biological origin	Mouse, clones NI 285, NI 250	
Mouse isotype	IgG1 κ	
Physical form	Delipidated, heat inactivated, lyophilized, stable whole ascites.	
Preservative	No preservative added, as it may interfere with the antibody activity. No foreign protein added.	
Immunogen	Highly purified Bence Jones kappa proteins isolated from pooled human urine.	
Identity & Specificity	The reactivity of this preparation of two monoclonal antibodies is restricted to a surface determinant on the kappa light chain. It is reacting with polyclonal and monoclonal immunoglobulins of the kappa type, as well as free kappa light chains as tested in direct binding enzyme immunoassay, immunoblotting, immunoprecipitation and direct immunoperoxidase staining.	
Cross-reactivity	The antibody does not react with any other component of the human immunoglobulin system or any other human plasma protein as tested. This antiserum has not been tested for cross-reactivity with other species.	
Protein concentration	IgG concentration 1.0 mg/ml. No foreign proteins added.	
Intended use	To identify the light chain type of immunoglobulins or free light chains in human serum, other body fluids, cell and tissue substrates and to determine its concentration in indirect techniques as ELISA, indirect immunoperoxidase staining and immunoblotting. The optimum working dilution is an assay-related characteristic and should always be determined by titration. For histochemical use optimum dilutions are mostly from 1:50 to 1:200; in ELISA from 1:500 upwards; in Western blotting from 1:1,000 upwards. These data should be interpreted as general recommendations only.	
Handling	The lyophilized product is shipped at ambient temperature and may be stored at +4°C; prolonged storage at or below -20°C. Reconstitute the lyophilized product by adding 0.5 ml sterile distilled water. Dilutions may be prepared by adding phosphate buffered saline (PBS, pH 7.2). Avoid repeated thawing and freezing. If a slight precipitation occurs upon storage, this should be removed by centrifugation and will not affect the performance of the product. Diluted ascites should be stored at +4°C, not refrozen, and preferably used the same day.	
Packing	Vial with 0.5 ml lyophilized ascites.	
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
Caution	This product 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> research purposes only.	

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