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| Description | Monoclonal mouse antiserum to human Ig lambda chain, free and bound | |
| Product code | MAHu/BJL | |
| Biological origin | Mouse, clones NI 412, NI 268 | |
| 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 lambda proteins isolated from pooled human urine. | |
| Identity & Specificity | The reactivity of the this preparation of two monoclonal antibodies is restricted to polyclonal and monoclonal immunoglobulins of the lambda type, as well as free lambda 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 is 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 1:200 upwards; in Western blotting from 1:400 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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