

DESCRIPTION

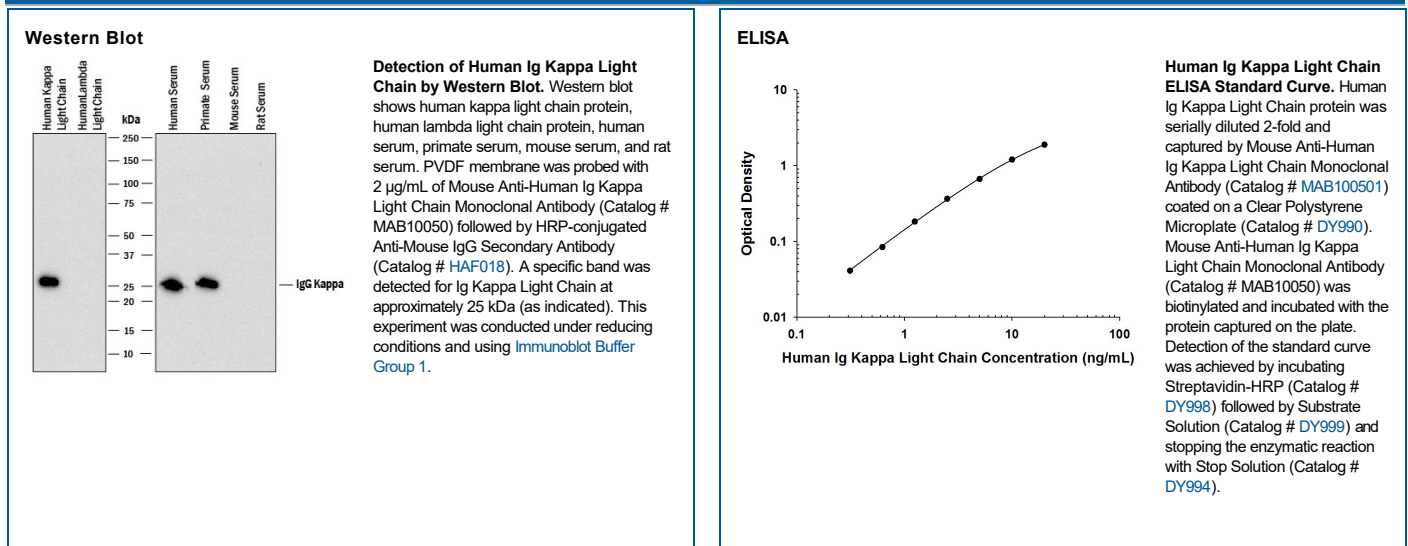
| | |
|---------------------------|---|
| Species Reactivity | Human |
| Specificity | Detects Human Ig Kappa Light Chain in direct ELISAs and Western blots. |
| Source | Monoclonal Mouse IgG _{2B} Clone # 999916 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | Human Ig Kappa Light Chain |
| Formulation | Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS. |

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

| | Recommended Concentration | Sample |
|---------------------|--|-----------|
| Western Blot | 2 µg/mL | See Below |
| ELISA | This antibody functions as an ELISA detection antibody when paired with Mouse Anti-Human Ig Kappa Light Chain Monoclonal Antibody (Catalog # MAB100501). <i>This product is intended for assay development on various assay platforms requiring antibody pairs.</i> | |

DATA



PREPARATION AND STORAGE

| | |
|--------------------------------|--|
| Reconstitution | Reconstitute at 0.5 mg/mL in sterile PBS. |
| Shipping | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C |
| Stability & Storage | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution. |

BACKGROUND

The immunoglobulin light chain is the smaller subunit of an antibody and in humans can be expressed in two types: as a kappa (κ) or a lambda (λ) chain. Antibodies are produced by B-Cells that are clonal and each expresses only one type of light chain. The light chain class remains fixed for the life of the B lymphocyte. The ratio of kappa and lambda light chains can be used to determine disease status by immunohistochemistry or ELISA based assays.