

## Product Information

## Kappa Light Chains (Free)

from human myeloma sera

**K3388**

### Product Description

Kappa Light Chains (free) are human myeloma proteins purified by fractionation, ion-exchange, and affinity chromatography procedures.<sup>1-3</sup>

Purified kappa light chains may be used as an immunoglobulin calibrator, reference antigen, blocking agent, or coating protein in a variety of immunoassays including ELISA, dot-blot immunobinding, Western immunoblotting, immunodiffusion, immunoelectrophoresis, hemagglutination, and cell-binding assays.<sup>4-6</sup>

### Reagent

Human Kappa Light Chains (free) are supplied in a frozen liquid of 0.15 M sodium chloride and 0.01 M phosphate, pH 7.2, containing 1.0 M glycine and 0.1% sodium azide.

Each vial contains approximately 1 mg/mL protein.

Protein concentration is measured using  $E^{0.1\%} = 1.18$  at 280 nm.

Purity:  $\geq 95\%$  by SDS electrophoresis

Identity: Positive by double diffusion

### Precautions and Disclaimer

For R&D use only. Not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices. Material tested and found negative for infectious agents; however, handle as if capable of transmitting infectious agents.

### Storage/Stability

Store in aliquots at  $-20\text{ }^{\circ}\text{C}$ . Repeated freezing and thawing is not recommended. Storage in "frost-free" freezers is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

### References

1. McKinney, M. et al., J. Immunol. Methods, 96, 271 (1987).
2. Bird, P. et al., J. Immunol. Methods, 71, 97 (1984).
3. Tusch, D. et al., BioChromatography, 5, 30 (1990).
4. Haaijman, J. et al., Immunology Today, 5, 56 (1984).
5. Lew, A., J. Immunol. Methods, 72, 171 (1984).
6. Steward, M. et al., J. Immunol. Methods, 78, 173 (1985).

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