

## Product Information

### **Lambda Light Chains (Free) from human myeloma sera** purified immunoglobulin

Catalog Number **L0665**

#### **Product Description**

Lambda Light Chains (free) is purified from pooled human IgG lambda myeloma sera by fractionation, ion-exchange, and affinity chromatography procedures.<sup>1-3</sup>

Purified lambda 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, immuno-electrophoresis, hemagglutination, and cell-binding assays.<sup>4-6</sup>

#### **Reagent**

Supplied as a frozen liquid in 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 ~1 mg/ml protein.

Protein concentration is measured using  $E^{0.1\%}_{280} = 1.4$  at 280 nm.<sup>7</sup>

Purity: ≥99% (Purity by double diffusion).

#### **Storage/Stability**

Store in aliquots at -20 °C. Repeated freezing and thawing, or 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.

#### **Precautions and Disclaimer**

BIOHAZARD: Handle as if capable of transmitting infectious agents. Refer to MSDS.

Material tested and found negative for antibodies to HIV-1/2, HbsAG, and HCV.

#### **References**

1. McKinney, M., et al., *J. Immunol. Methods*, **96**, 271 (1987).
2. Bird, P., et al., *J. Immunol. Methods*, **71**, 97 (1984).
3. Tousch, 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).
7. Kronick, M., et al., *Clin. Chem.*, **29**, 1582 (1983).

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