



**Human IgG1, Lambda  
Purified Myeloma Protein**

Product No. **I4014**

## Product Information

Human myeloma IgG1, lambda is purified from human plasma by fractionation, ion-exchange and affinity chromatography procedures.<sup>1-3</sup> The purified immunoglobulin represents a single subclass and light chain type.

The purified IgG1, lambda 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>

### Reagents

The product is lyophilized from 1 ml of phosphate buffer (10 mM sodium phosphate, pH 7.2). Each vial contains at least 1 mg of immunoglobulin.

### Product Profile

Purity of immunoglobulin is greater than 95% as determined by reduced SDS-PAGE. Identity of IgG1, lambda is verified by subclass monoclonal antibodies and type specific polyclonal antibodies in immunoelectrophoresis, Ouchterlony, and dot-blot immunobinding assays.

### Reconstitution and Storage Instructions

Prior to reconstitution, store at 2-8°C. After reconstitution, store aliquots at -20°C. Repeated freezing and thawing of reconstituted product is **not** recommended.

The contents of the vial are reconstituted by adding 1 ml 0.135 M NaCl to give a protein concentration of at least 1 mg/ml ( $E_{280}^{0.1\%} = 1.4$ ).<sup>7</sup>

### References

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5. Lew, A., J. Immunol. Methods, **72**, 171 (1984).
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