HUMAN IgG2, LAMBDA
Purified Myeloma Protein

Product No. **I4264**

Human myeloma IgG2, lambda is purified from human plasma by fractionation, ion-exchange and affinity chromatography procedures.[1-3] The purified immunoglobulin represents a single subclass and light chain type. 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.

Uses
The purified IgG2, 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 immunobloting, immunodiffusion, immunoelectrophoresis, hemagglutination, and cell-binding assays.[4-6]

Product Characteristics
Purity of immunoglobulin is greater than 95% as determined by reduced SDS-PAGE. Identity of IgG2, lambda is verified by subclass monoclonal antibodies and type specific polyclonal antibodies in immunoelectrophoresis and Ouchterlony double diffusion assays.

Reconstitution and Storage Instructions
Prior to reconstitution, store at 2-8°C. After reconstitution, store aliqouts at -20°C. Repeated freezing and thawing of reconstituted product is **not** recommended.
The contents of the vial are reconstituted by adding 1 ml PBS to give a protein concentration of at least 1 mg/ml ($E^{0.1\%}_{280nm}$=1.4).[7]

References

1. McKinney, M. 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. J., et al., Immunology Today, **5**, 56 (1984).
5. Lew, A. M., J. Immunol. Methods, **72**, 171 (1984).
6. Steward, M. W., et al., J. Immunol. Methods, **78**, 173 (1985).
7. Kronick, M. N., et al., Clin. Chem., **29**, 1582 (1983).

BIOHAZARD: Handle as if capable of transmitting infectious agents. Refer to MSDS.
Source material tested and found negative for antibody to HIV and for HbsAg.

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