

Product Information

HUMAN IgG2, KAPPA Purified Myeloma Protein

Product No. I 4139

Human myeloma IgG2, kappa 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, kappa 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.⁴⁻⁶

Product Characteristics

Purity of immunoglobulin is greater than 95% as determined by reduced SDS-PAGE. Identity of IgG2, kappa is verified by subclass monoclonal antibodies and type specific polyclonal antibodies in immunoelectrophoresis, Ouchterlony, and indirect ELISA assays.

Reconstitution and Storage Instructions

Prior to reconstitution, store at 2-8 °C. After reconstitution, store in 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 PBS to give a protein concentration of approximately 1 mg/ml ($E_{280}^{0.1\%} = 1.4$).⁷

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).

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

Material tested and found negative for antibody to HIV and HbsAG.

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Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply.

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