

Product Information

Human IgG3, Kappa Purified Myeloma Protein

Product No. I 4389

Product Description

Human myeloma IgG3, 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.

The purified IgG3, 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 non-reduced SDS-PAGE. Identity of IgG3, kappa 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 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 at least 1 mg/ml ($E_{280nm}^{0.1\%}=1.4$).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. Tusch, 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).

POTENTIAL BIOHAZARD

Handle as if capable of transmitting infectious agents. Refer to the Material Safety Data Sheet. Source material tested and found negative for antibody to HIV and HbsAg.
Pcs6/00

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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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