



HUMAN IgG1, KAPPA
Purified Myeloma Protein

Product Number I 3889

Product Information

Product Description

Human myeloma IgG1, 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 IgG1, 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, immunoelectrophoresis, cell binding, immunodiffusion, and hemagglutination assays.⁴⁻⁶

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

Precautions and Disclaimer

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

Reconstitution

The contents of the vial are reconstituted by adding 1 ml PBS to give a protein concentration of at least 1 mg/ml ($E^{0.1\%} = 1.4$ at 280 nm).⁷

Storage/Stability

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.

References

1. McKinney, M., et al., J. Immunol. Methods, **96**, 271 (1987).
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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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