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## TECHNICAL DATA SHEET 553

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# BioMag<sup>®</sup> Protein G

Catalog Number: 84605

### DESCRIPTION

BioMag<sup>®</sup> Protein G is a suspension of BioMag<sup>®</sup> particles approximately 1.5µm in size, which are covalently coated with a genetically engineered form of streptococcal Protein G (*E. Coli*). The suspension is supplied in a phosphate buffered saline (pH 7.5) with BSA, EDTA and sodium azide added. After shaking vigorously or vortexing, BioMag<sup>®</sup> Protein G is ready to use.

### CHARACTERISTICS

Mean Diameter: ~1.5µm  
Particle Concentration: 5 mg/ml  
Binding Capacity: 1mL (5mg) of BioMag<sup>®</sup> Protein G will bind 0.2mg of rabbit IgG

### PROCEDURE

Researchers are advised to optimize the use of BioMag<sup>®</sup> in any application as procedures designed by other manufacturers may not be ideal.

BioMag<sup>®</sup> Protein G binds to the Fc portion of IgG isotypes. It is useful as an IgG binding reagent to bind all human, mouse, rat, and horse IgG subclasses, as well as bovine and sheep IgG. Protein G has a higher binding affinity for IgG than Protein A. Protein G has been engineered so as not to bind human IgA and IgM, and does not bind serum albumin. Rapid and convenient separations are accomplished magnetically.

### STORAGE AND SAFETY

**Storage** Store at 4°C. Freezing, drying or centrifuging BioMag<sup>®</sup> may result in irreversible aggregation and loss of binding activity. Centrifugation may be used only if it is the last step in a procedure such that resuspension of BioMag<sup>®</sup> is not required.

**Safety** This particle suspension contains sodium azide. Sodium azide may react with lead and copper plumbing to form explosive metal azides. Upon disposal of material, flush with a large volume of water to prevent azide accumulation. Please consult the Safety Data Sheet for more information.

**This product is for research use only and is not intended for use in humans or for *in vitro* diagnostic use.**

### ORDERING INFORMATION

Cat. #	Description	Size
84605-2	BioMag <sup>®</sup> Protein G	2ml
84605-10	BioMag <sup>®</sup> Protein G	10ml

### TO ORDER

In The U.S. Call: 1(800) 523-2575 • (215) 343-6484  
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