

BioMag® Protein G

Description

BioMag Protein G is a suspension of BioMag particles approximately 1.5µm in size, which are covalently attached to a genetically engineered form of streptococcol Protein G (E. Coli). The suspension is supplied in a phosphate buffered saline (pH 7.5) with EDTA and sodium azide added as stabilizers. After shaking vigorously, BioMag Protein G is ready to use.

Characteristics

Mean Diameter: ~1.6µm
Particle Concentration: 5 mg/ml
Binding Capacity: 1ml (5mg) of BioMag Protein G will bind 0.2mg of rabbit IgG.

Procedure

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

BioMag 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. Quick and convenient separations are accomplished magnetically.

Storage and Stability

Store at 4°C. Freezing, drying, or centrifuging BioMag 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 the BioMag 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 Material 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® Protein G	2ml
84605-10	BioMag® Protein G	10ml

To Order

In The U.S. Call: 1-800-523-2575 • 215-343-6484 In Germany Call: (49) 6221-765767
In The U.S. FAX: 1-800-343-3291 • 215-343-0214 In Germany FAX: (49) 6221-764620

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