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B E A D S ● A B O V E T H E R E S T [™]

DESCRIPTION

BioMag[®] Protein G is a suspension of BioMag[®] 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[®] Protein G is ready to use.

CHARACTERISTICS

Mean Diameter: ~1.5µm
 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. Rapid and convenient separations are accomplished magnetically.

STORAGE AND STABILITY

Store at 2-8°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. Code	Description	Sizes
BM553	BioMag [®] Protein G	2mL or 10mL

RELATED PRODUCTS

Cat. Code	Description	Sizes
BP627	BioMag [®] Plus Protein G	2mL or 10mL
BP626	BioMag [®] Plus Protein G Antibody Isolation Kit	1 kit

For more information regarding Protein G and the Protein G Antibody Isolation Kit, including additional binding capacities and a protocol, please refer to Product Data Sheet #620, *BioMag[®]Plus Protein A or G & BioMag[®]Plus Protein A or G Antibody Isolation Kit*.

Order online anytime at www.bangslabs.com.