



U.S. Corporate Headquarters
400 Valley Rd.
Warrington, PA 18976
1(800) 523-2575 / (215) 343-6484
1(800)343-3291 fax
info@polysciences.com

Polysciences Europe GmbH
Badener Str. 13
69493 Hirschberg an der Bergstrasse,
Germany
+(49) 06201-845200
+(49) 06201-8452020 fax
info@polysciences.de

Polysciences Asia-Pacific, Inc.
2F-1, 207 DunHua N. Rd.
Taipei, Taiwan 10595
(886) 2 8712 0600
(886) 2 8712 2677 fax
info@polysciences.tw

TECHNICAL DATA SHEET 692

Page 1 of 1

BioMag[®] Plus Mouse anti-Fluorescein IgG

Catalog Number: 86053

DESCRIPTION

BioMag[®] and BioMag[®]Plus superparamagnetic microparticles are utilized in the magnetic separation of cells, organelles, proteins, immunoglobulins, nucleic acids, and many other types of molecules in biological and non-biological systems. The irregular shape of BioMag[®] and BioMag[®]Plus particles affords a much greater surface area than that of the same size spherical particles. This large surface area results in high binding capacities, allowing efficient target capture with minimal amounts of particles. Additionally, their greater than 90% iron oxide content allows for faster magnetic separations, especially on automated high throughput platforms.

BioMag[®]Plus Mouse anti-Fluorescein IgG is a suspension of BioMag[®]Plus particles approximately 1.5 μ m in size, which are covalently coated with mouse anti-fluorescein IgG antibody. The suspension is supplied in a phosphate buffered saline (pH 7.4) with BSA, EDTA and sodium azide added. After shaking vigorously or vortexing, BioMag[®]Plus Mouse anti-Fluorescein IgG is ready to use.

CHARACTERISTICS

Mean Diameter: ~1.5 μ m
Particle Concentration: 1 mg/ml

PROCEDURE

Researchers are advised to optimize the use of particles in any application, as procedures designed by other manufacturer's may not be ideal.

BioMag[®]Plus Mouse anti-Fluorescein IgG is suitable for use in cell biology studies. In immunoassays, it is ideally suited to quickly and conveniently separate fluoresceinated components or fluoresceinated complexes from solution. After fluorescein labeling of a monoclonal antibody against a specific cell population, BioMag[®]Plus Mouse anti-Fluorescein IgG may be used in cell sorting to isolate specific cells. BioMag[®]Plus Mouse anti-Fluorescein IgG is also suitable for cell identification and quantitation in flow cytometry. (If this product is to be used in cell separation, please see Technical Data Sheet 528, *BioMag[®] and Cell Sorting*, for additional information.)

STORAGE AND SAFETY

Storage 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 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 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
86053-50	BioMag [®] Plus Mouse anti-Fluorescein IgG	50ml

TO ORDER

In The U.S. Call: 1(800) 523-2575 • (215) 343-6484
In The U.S. Fax: 1(800) 343-3291 • (215) 343-0214

In Germany Call: +(49) 06201-845200
In Germany Fax: +(49) 06201-8452020

In Asia Call: (886) 2 8712 0600
In Asia Fax: (886) 2 8712 2677

Order online anytime at www.polysciences.com