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B E A D S • A B O V E T H E R E S T™

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 1.5µm 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: ~1.5µm
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 Product Data Sheet 528, *BioMag® and Cell Sorting*, for additional information.)

STORAGE AND STABILITY

Store at 2-8°C. Freezing, drying, or centrifuging particles may result in irreversible aggregation and loss of binding activity.

SAFETY

These particle suspensions contain 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.

These products are for research use only and are not intended for use in humans or for *in vitro* diagnostic use.

ORDERING INFORMATION

Cat. Code	Description	Size
BP622	BioMag®Plus Mouse anti-Fluorescein IgG	50mL

Order online anytime at www.bangslabs.com.