



BioMag® Goat Anti-Human IgG

BioMag® suspensions are a series of products containing superparamagnetic particles. BioMag particles are irregularly shaped, with an average diameter of 1.6 μm , and consist of an iron oxide core with a silane coating. The surface of the particle is coated with amine or carboxyl groups, facilitating the covalent attachment of proteins, glycoproteins, secondary antibodies, and other ligands, with retention of biological activity. The particles' irregular shape provides a large surface area, ensuring a high binding efficiency.

BioMag particles are superparamagnetic — they respond to magnetic fields but do not retain magnetic properties upon removal of the magnetic field. This inability to become magnetized permits magnetic extraction without magnetically induced aggregation. Rapid and efficient removal of BioMag particles from suspension is achieved by the application of an external magnetic field.

Specifications

Form	Magnetic particle suspension (1 mg/ml) in phosphate-buffered saline containing EDTA and 0.08% sodium azide.
BioMag concentration	1 mg/ml
Binding capacity	1 ml (1 mg) BioMag Goat Anti-Human IgG binds >0.10 mg human IgG. The specificity of goat anti-human antibodies for IgG subclasses may vary.
Storage and stability	BioMag Goat Anti-Human IgG can be stored at 2–8°C until the expiration date. Do not freeze. Do not dry. Centrifugation should only be used if it is the last step of a procedure, i.e., if resuspension of the BioMag particles is not required. Freezing, drying, and centrifugation result in extensive aggregation of the BioMag particles and a loss of binding activity.
Safety information	When working with chemicals always wear a suitable lab coat, disposable gloves, and protective goggles. For more information please consult the appropriate material safety data sheet, available online at www.qiagen.com/ts/msds.asp

Applications

BioMag Goat Anti-Human IgG is a standard BioMag particle coated with polyclonal goat anti-human IgG antibodies and is highly suited for use in cell sorting methods where a human IgG antibody is used as a primary antibody. BioMag Goat Anti-Human IgG can be used to separate the cells of interest from a heterogeneous cell population using negative depletion. BioMag Goat Anti-Human IgG can also be used as a secondary antibody in enzyme immunoassays and radioassays that utilize a human IgG primary monoclonal antibody.

Ordering Information

Product	Contents	Cat. No.
BioMag Goat Anti-Human IgG (50 ml)	BioMag goat anti-human IgG secondary antibody suspension (1 mg/ml)	310304

Accessories

Single Tube Magnet	Magnet for separating magnetic particles in a 1.5 ml or 2 ml tube	36910
12-Tube Magnet	Magnet for separating magnetic particles in 12 x 1.5 ml or 2 ml tubes	36912
15 ml/50 ml Tube Magnet	Magnet for separating magnetic particles in 5 x 15 ml and 3 x 50 ml tubes	36935
Flask Magnet	Magnet for separating magnetic particles in a cell culture flask	36937

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