

## TECHNICAL DATA SHEET 560

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# BioMag® Goat anti-Rat IgG

## Description

BioMag Goat anti-Rat IgG is a suspension of BioMag particles approximately 1.6µm in size, which are covalently coated with goat anti-rat IgG antibody. The antibody reacts with the heavy chains on rat IgG and with the light chains on all rat immunoglobulins. The suspension is supplied in phosphate buffered saline (pH 7.4) with EDTA and sodium azide added as stabilizers. After shaking vigorously or vortexing, BioMag Goat anti-Rat IgG is ready to use.

## Characteristics

Mean Diameter: ~1.6µm  
Particle Concentration: 1 mg/ml  
Binding Capacity: 1mL (1mg) of BioMag Goat anti-Rat IgG will bind > 0.15mg of rat 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 Goat anti-Rat IgG is suitable for use as a secondary antibody in radioimmunoassays and enzyme immunoassays that utilize a rat IgG primary monoclonal antibody. In cell sorting methods utilizing a rat monoclonal antibody against a specific cell population, BioMag Goat anti-Rat IgG may be used to separate the cells of interest from a cell mixture. However, since the specificity of goat anti-rat antibodies for IgG subclasses may vary, researchers must determine the suitability of this product for their particular monoclonal IgG subclass. (For additional information on the use of this product in cell separation, please see Technical Data Sheet 528, 'BioMag and Cell Sorting.')

Separation may be accomplished magnetically or through centrifugation.

## Storage and Stability

Store at 4°C. Freezing, drying, or centrifuging BioMag may result in irreversible aggregation and loss of binding activity.

## 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
84330-50	BioMag® Goat anti-Rat IgG	50ml
84330-500	BioMag® Goat anti-Rat IgG	500ml

### 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) 6221-765767  
In Germany FAX: (49) 6221-764620

Order online anytime at [www.polysciences.com](http://www.polysciences.com).