

## Technical Data Sheet

## PE Goat Anti-Mouse Ig (Multiple Adsorption)

## Product Information

Material Number:	550589
Size:	0.2 mg
Concentration:	0.2 mg/ml
Clone:	Polyclonal
Isotype:	Goat Ig
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

## Preparation and Storage

The polyclonal antibody was purified from antiserum by negative adsorption and affinity chromatography.

The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were removed.

Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

The polyclonal antibody solution was passed through solid-phase immunoabsorbent gels to minimize cross reactivity with rat, human, bovine, and horse serum proteins.

## Application Notes

## Application

Flow cytometry	Routinely Tested
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## Recommended Assay Procedure:

As a second-step reagent for staining rat spleen and bone marrow leukocytes, Cat. No. 550589 is reactive with mouse primary antibodies having the IgG1, IgG2a, IgG2b, IgG3, IgM, and IgA isotypes. Minimal background staining of rat leukocytes occurs in the absence of primary antibody. In addition, it stains mouse peripheral B lymphocytes with little non-specific staining of other splenic leukocytes. Therefore, it is useful as a primary reagent in immunofluorescent staining of mouse B cells and antibody-producing cells and as a secondary reagent for staining rat leukocytes with mouse Ig primary antibodies. However, we have observed that the reactivity of polyclonal second-step antibodies to mouse or rat IgM may be reduced after adsorption against Ig of rat or mouse, respectively. Because this anti-mouse Ig antibody was adsorbed with rat Ig, it may be weakly with some mouse IgM primary antibodies. In those cases, we recommend anti-mouse IgM mAb R6-60.2 (Cat. No. 553409) or anti-mouse Ig κ light chain mAb 187.1 (Cat. No. 559940). For optimal staining of human leukocytes, with mouse IgG and IgM primary antibodies, we recommend FITC-conjugated goat anti-mouse IgG + IgM (human-, bovine-, and horse-adsorbed, Cat. No. 555988).

## Suggested Companion Products

Catalog Number	Name	Size	Clone
553409	PE Rat Anti-Mouse IgM	0.2 mg	R6-60.2
559940	PE Rat Anti-Mouse Ig κ Light Chain	0.1 mg	187.1
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal

## Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to [www.bdbiosciences.com/pharmingen/protocols](http://www.bdbiosciences.com/pharmingen/protocols) for technical protocols.
3. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at [www.bdbiosciences.com/pharmingen/colors](http://www.bdbiosciences.com/pharmingen/colors).
4. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

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