

Technical Data Sheet

PE Goat Anti-Rat Ig

Product Information

Material Number:	550767
Alternate Name:	
Size:	0.2 mg
Concentration:	0.2 mg/ml
Clone:	Polyclonal
Isotype:	Goat Ig
Reactivity:	QC Testing: Rat
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The antibody solution was subsequently passed through solid-phase immunoadsorbent gels to minimize cross-reactivity with mouse, human, bovine, and horse serum proteins.

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by 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.

Application Notes

Application

Flow cytometry	Routinely Tested
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Recommended Assay Procedure:

This antibody conjugate has been tested by immunofluorescent staining ($\leq 1.0 \mu\text{g}/\text{million cells}$) with flow cytometric analysis and as a second-step reagent on mouse splenocytes. This antibody stains rat peripheral B cells, and it has little reactivity with rat non-B splenocytes or mouse splenocytes. As a second step, it is reactive with rat IgG and IgM monoclonal antibodies; a weaker signal is detected when the primary antibody has a rat IgG2b isotype. It has weak cross-reactivity detectable by flow cytometry with some, but not all, hamster immunoglobulins. Consequently, it may be useful as a primary reagent in immunofluorescent staining of rat antibody-producing cells or as a secondary reagent for staining of mouse leukocytes after reaction with rat 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-rat Ig antibody was adsorbed with mouse Ig, it may be weakly reactive with some rat IgM primary antibodies. In those cases, we recommend PE-conjugated anti-rat IgM mAb G53-238 (Cat. No. 553888) or PE-conjugated anti-rat Ig κ light chain mAb MRK-1 (Cat. No. 553873).

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 for technical protocols.
3. 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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