

Technical Data Sheet

APC Goat Anti-Rat Ig

Product Information

Material Number:	551019
Size:	0.1 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.

Preparation and Storage

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

The antibody was conjugated to APC under optimum conditions, and unconjugated antibody and free APC were removed.

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

The purified antibody solution was passed through solid-phase immunoabsorbent gels to minimize cross-reactivity with mouse, human, cow, and horse serum proteins.

Application Notes

Application

Flow cytometry	Routinely Tested
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Recommended Assay Procedure:

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.

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. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/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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