

Technical Data Sheet

FITC Goat Anti-Mouse Ig

Product Information

Material Number:	554001
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	Polyclonal
Isotype:	Goat Ig
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing BSA and ≤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 FITC under optimum conditions, and unreacted FITC was removed.

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

This antibody was purified from goat antiserum and was passed through solid-phase immunoadsorbent gels to minimize cross-reactivity with rat, human, bovine, and horse serum proteins (multiple adsorption).

Application Notes

Application

Flow cytometry	Routinely Tested
Immunofluorescence	Tested During Development

Recommended Assay Procedure:

Flow cytometry: As a second step reagent for staining rat splenocytes, it is reactive with mouse antibodies having the IgG1, IgG2a, IgG2b, IgG3, IgM, and IgA isotypes. However it has been reported that reactivity with some mouse IgM monoclonal antibodies is weak. Minimal background staining of rat leukocytes occurs in the absence of primary antibody. In addition, it stains mouse peripheral B lymphocytes with no 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 antibodies, particularly mouse IgG. For optimal staining of human leukocytes, with mouse IgG and IgM primary antibodies, FITC goat anti-mouse IgG + IgM (human-, bovine-, and horse-adsorbed, Cat. No. 555988) is recommended.

Suggested Companion Products

Catalog Number	Name	Size	Clone
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 for technical protocols.
3. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
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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