

## Technical Data Sheet

## FITC Mouse IgG2a, κ Isotype Control

## Product Information

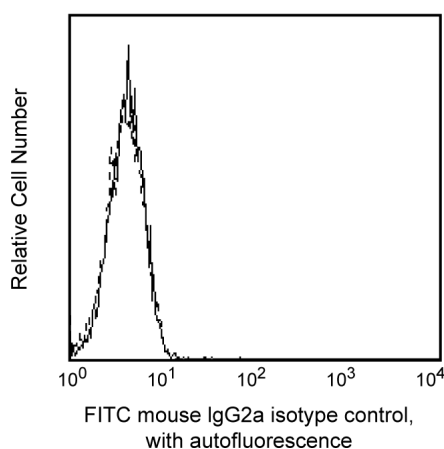
Material Number:	556652
Size:	50 tests
Vol. per Test:	20 µl
Clone:	G155-178
Isotype:	Mouse (BALB/c) IgG2a, κ
Reactivity:	QC Testing: Baboon, Rhesus, or Cynomolgus
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

## Description

The G155-178 clone has an unknown specificity. Trinitrophenal (TNP), the immunogen, is a hapten not expressed on human, mouse, rat or non-human primate cells. In the absence of specific binding, this antibody may bind non-specifically to Fc receptors. The immunoglobulin from clone G155-178 was selected as an isotype control following screening for low background on a variety of mouse and human tissues.

This reagent has been used as isotype control in immunophenotypic studies with baboon, rhesus, or cynomolgus peripheral blood cells.

This antibody is routinely tested by flow cytometric analysis. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.



*Profile of peripheral blood lymphocytes of rhesus macaque (macaca mulatta) analyzed by flow cytometry.*

## Preparation and Storage

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

## Application Notes

## Application

Flow cytometry	Routinely Tested
Isotype control	Routinely Tested

## Recommended Assay Procedure:

An isotype control should be used at the same concentration as the antibody of interest (e.g., ≤1 µg/million cells for flow cytometry).

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## Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use  $1 \times 10^6$  cells in a 100- $\mu$ l experimental sample (a test).
2. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
3. Please refer to [www.bdbiosciences.com/pharmingen/protocols](http://www.bdbiosciences.com/pharmingen/protocols) for technical protocols.
4. 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).
5. 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.
6. Source of all serum proteins is from USDA inspected abattoirs located in the United States.