

## Technical Data Sheet

Purified Mouse IgG2a  $\kappa$  Isotype Control

## Product Information

<b>Material Number:</b>	553454
<b>Size:</b>	0.5 mg
<b>Concentration:</b>	0.5 mg/ml
<b>Clone:</b>	G155-178
<b>Immunogen:</b>	TNP-keyhole limpet hemocyanin
<b>Isotype:</b>	Mouse (BALB/c) IgG2a, $\kappa$
<b>Storage Buffer:</b>	Aqueous buffered solution containing $\leq 0.09\%$ 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 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.

## Preparation and Storage

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

Store undiluted at 4° C.

## Application Notes

## Application

ELISA	Routinely Tested
Flow cytometry	Routinely Tested
Intracellular staining (flow cytometry)	Not Recommended
Immunohistochemistry	Not Recommended

## Recommended Assay Procedure:

An isotype control should be used at the same concentration as the antibody of interest.

We suggest the purified mouse IgG2a,  $\kappa$  myeloma protein C1.18.4 (Cat. No. 550339) or MOPC-173 (Cat. No. 554126) for use with intracellular or immunohistochemical staining applications. We also recommend Cat. No. 555571 for immunofluorescent staining of human whole blood.

## Suggested Companion Products

Catalog Number	Name	Size	Clone
553446	Purified Rat Anti-Mouse IgG2a	0.5 mg	R11-89
553388	Biotin Rat Anti-Mouse IgG2a	0.5 mg	R19-15

## 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. 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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