Technical Data Sheet

FITC Rat IgG2b, κ Isotype Control

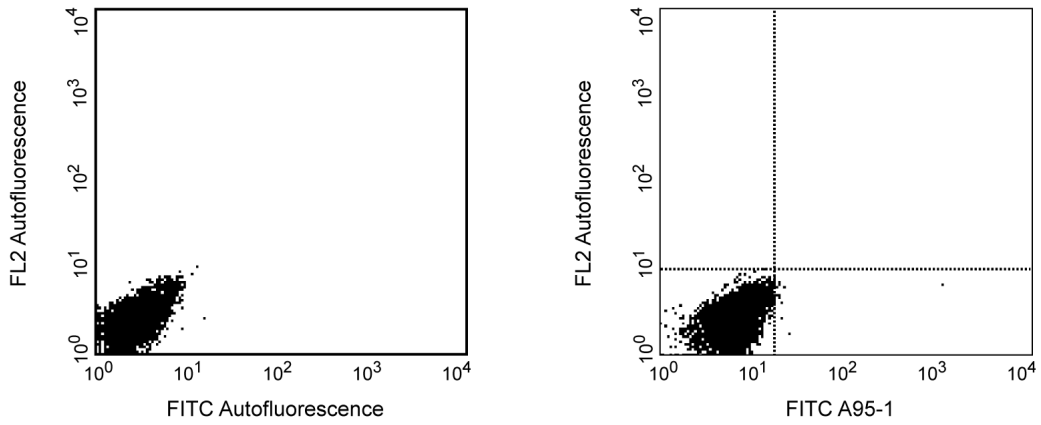
Product Information

Material Number:	**556923**
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	A95-1
Immunogen:	TNP-Keyhole Limpet Hemocyanin
Isotype:	Rat (LOU) IgG2b, κ
Reactivity:	QC Testing: Mouse.
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The A95-1 antibody has unknown specificity. Trinitrophenal (TNP), the immunogen, is a hapten not expressed on human, mouse, rat, or non-human primate cells. The A95-1 immunoglobulin 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.

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

Neutralization Activity:

The NA/LE™ A95-1 (Cat. No. 556968) immunoglobulin is a suitable rat IgG2b, κ isotype control for matching cytokine-neutralizing antibodies used in bioassay.

Recommended Assay Procedure:

Immunofluorescent Staining and Flow Cytometric Analysis: The FITC-conjugated A95-1 immunoglobulins (Cat. No. 556923) is a suitable rat IgG2b, κ isotype control for assessing the level of background intracellular staining on mouse and human cells fixed and permeabilized using BD Biosciences Cytofix/Cytoperm and PermWash reagents (Cat. No. 554714) for flow cytometric analysis. The intracellular cytokine staining technique and use of blocking controls are described in detail by C. Prussin and D. Metcalfe.

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Suggested Companion Products

Catalog Number	Name	Size	Clone
554653	Mick-2 Cytokine Positive Control Cells	NA	(none)
554714	BD Cytofix/Cytoperm Fixation/Permeablization Kit	250 tests	(none)

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/pharmingen/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.

References

Prussin C, Metcalfe DD. Detection of intracytoplasmic cytokine using flow cytometry and directly conjugated anti-cytokine antibodies. *J Immunol Methods.* 1995; 188(1):117-128.(Methodology: Flow cytometry)