

Technical Data Sheet

Purified Rat IgG2b, κ Isotype Control

Product Information

Material Number:	559478
Size:	0.25 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 $\leq 0.09\%$ 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 immunocytochemistry. Other applications are 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 and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

Immunocytochemistry (cytospins)	Routinely Tested
Isotype control	Routinely Tested
Immunohistochemistry-zinc-fixed	Tested During Development
Immunohistochemistry-formalin (antigen retrieval required)	Tested During Development
Immunohistochemistry-frozen	Tested During Development

Recommended Assay Procedure:

Immunocytochemistry: The purified A95-1 antibody (Cat. No. 559478) is an immunoglobulin isotype control for rat IgG2b and can be used to determine the level of non-specific background staining in an indirect cytokine immunocytochemical assay. Purified A95-1 antibody should be utilized at the same concentration as the primary specific antibody and visualized under the same conditions via a three step staining procedure in combination with Biotin Goat Anti-Rat IgG (Cat. No. 559286) followed by Streptavidin HRP (Cat. No. 550946) and DAB substrate kit (Cat. No. 550880). Please see protocol for a detailed description of the immunocytochemical procedure at: www.bdbiosciences.com/pharmingen/protocols.

Suggested Companion Products

Catalog Number	Name	Size	Clone
559286	Biotin Polyclonal Goat Anti-Rat IgG	0.5 mg	Polyclonal
550946	Streptavidin HRP	50 ml	(none)
550880	DAB Substrate Kit	500 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. 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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References

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- Hsu SM, Raine L, Fanger H. Use of avidin-biotin-peroxidase complex (ABC) in immunoperoxidase techniques: a comparison between ABC and unlabeled antibody (PAP) procedures. *J Histochem Cytochem.* 1981; 29(4):577-580.(Clone-specific)