

## Technical Data Sheet

PE Rat Anti-Mouse Ig  $\kappa$  Light Chain

## Product Information

<b>Material Number:</b>	<b>562021</b>
<b>Alternate Name:</b>	Ig kappa chain C region; IGKC; Igk-C; Ig, $\kappa$
<b>Size:</b>	25 $\mu$ g
<b>Concentration:</b>	0.2 mg/ml
<b>Clone:</b>	187.1
<b>Immunogen:</b>	Mouse IgG2b $\kappa$ secreted by MPC-11 plasmacytoma
<b>Isotype:</b>	Rat (SD) IgG1, $\kappa$
<b>Reactivity:</b>	QC Testing: Mouse
<b>Storage Buffer:</b>	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

## Description

The 187.1 monoclonal antibody specifically binds to kappa light chains of mouse immunoglobulins. The 187.1 antibody does not react with mouse  $\lambda 1$  or  $\lambda 2$  immunoglobulin lights chains or mouse immunoglobulin heavy chains.

## Preparation and Storage

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

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

The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were removed.

## Application Notes

## Application

Flow cytometry	Routinely Tested
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## Recommended Assay Procedure:

This antibody conjugate has been tested by immunofluorescent staining ( $\leq 1 \mu$ g/million cells) with flow cytometric analysis to assure specificity and reactivity. PE-conjugated 187.1 mAb may be used as a primary or secondary reagent in immunofluorescent staining. For flow cytometric detection of intracytoplasmic Ig,  $\kappa$  light chain, we recommend FITC-conjugated mAb 187.1 (Cat. No. 550003).

## Suggested Companion Products

Catalog Number	Name	Size	Clone
553925	PE Rat IgG1, $\kappa$ Isotype Control	0.1 mg	R3-34
554656	Stain Buffer (FBS)	500 ml	(none)
550003	FITC Rat Anti-Mouse Ig, $\kappa$ Light Chain	0.5 mg	187.1

## 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. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at [www.bdbiosciences.com/colors](http://www.bdbiosciences.com/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

Yelton DE, Desaymard C, Scharff MD. Use of monoclonal anti-mouse immunoglobulin to detect mouse antibodies. *Hybridoma*. 1981; 1(1):5-11. (Immunogen)

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