

Technical Data Sheet

Purified Mouse Anti-Rat Ig κ light chain**Product Information**

Material Number:	553901
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	RG7/9.1
Immunogen:	Pooled rat IgG
Isotype:	Mouse (SJL) IgG2b
Reactivity:	QC Testing: Rat Reported: Syrian Hamster
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

The RG7/9.1 antibody reacts specifically with rat Igs bearing κ light chain and with free rat κ light chains. It does not react with λ light chain or heavy chains. The antibody cross-reacts with with Syrian hamster Ig, κ light chain. RG7/9.1 antibody has not been shown to stimulate B-cell proliferation.

This antibody is routinely tested by ELISA and 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

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.

References

Springer TA, Bhattacharya A, Cardoza JT, Sanchez-Madrid F. Monoclonal antibodies specific for rat IgG1, IgG2a, and IgG2b subclasses, and kappa chain monotypic and allotypic determinants: reagents for use with rat monoclonal antibodies. *Hybridoma*. 1982; 1(3):257-273.(Clone-specific)

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