

Technical Data Sheet

Biotin Mouse Anti-Human Ig κ Light Chain

Product Information

Material Number:	555790
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	G20-193
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Workshop:	NA
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The G20-193 antibody reacts with human immunoglobulin light chain, kappa (κ). It does not react with λ light chains or heavy chains.

This antibody is routinely tested by flow cytometric analysis and fluorescence microscopy. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.

Preparation and Storage

The antibody was conjugated with biotin under optimum conditions, and unreacted biotin was removed.

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

Flow cytometry	Routinely Tested
ELISA	Routinely Tested
Fluorescence microscopy	Tested During Development

Recommended Assay Procedure:

In a quantitative sandwich ELISA for measuring immunoglobulin light chain kappa, this antibody may be paired with purified anti-human IgG, clone G18-145 (Cat. No. 555784).

Suggested Companion Products

Catalog Number	Name	Size	Clone
554061	Streptavidin PE	0.5 mg	(none)
555747	Biotin Mouse IgG1 κ Isotype Control	100 tests	MOPC-21
555784	Purified Mouse Anti-Human IgG	0.5 mg	G18-145

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

Guesdon JL, Ternynck T, Avrameas S. The use of avidin-biotin interaction in immunoenzymatic techniques. *J Histochem Cytochem.* 1979; 27(8):1131-1139. (Biology)

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