

## Technical Data Sheet

## Biotin Mouse Anti-Human IgG1

## Product Information

Material Number:	555869
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	G17-1
Isotype:	Mouse IgG2b, $\kappa$
Reactivity:	QC Testing: Human
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

## Description

The G17-1 antibody reacts specifically with human IgG1. It does not react with other Ig isotypes.

## 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 biotin under optimum conditions, and unreacted biotin was removed.

## Application Notes

## Application

ELISA	Routinely Tested
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## Recommended Assay Procedure:

This antibody can be used to detect human IgG1. For the sandwich human IgG1 ELISA, biotin G17-1 is optimal as detecting mAb with G18-145 (Cat. No. 555784) as capture mAb.

## Suggested Companion Products

Catalog Number	Name	Size	Clone
555784	Purified Mouse Anti-Human IgG	0.5 mg	G18-145
554058	Avidin-Horseradish Peroxidase (HRP)	1.0 ml	(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](http://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. (Methodology: ELISA)

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