

Technical Data Sheet

Biotin Mouse Anti-Human IgG4**Product Information**

Material Number:	555882
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	G17-4
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

The G17-4 antibody reacts specifically with human IgG4. It does not react with other isotypes.

Preparation and Storage

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.

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

Application Notes**Application**

ELISA	Routinely Tested
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Recommended Assay Procedure:

This antibody can be used to detect human IgG4. For sandwich human IgG4 ELISA, Biotin G17-4 is optimal as detecting mAb with purified JDC-14 (Cat. No. 555878) or G18-145 (Cat. No. 555784) as capture mAb.

Suggested Companion Products

Catalog Number	Name	Size	Clone
555878	Purified Mouse Anti-Human IgG4	0.5 mg	JDC-14
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. (Methodology)

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