

Technical Data Sheet

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

Material Number:	555785
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	G18-145
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

The G18-145 monoclonal antibody specifically binds to the heavy chain of human immunoglobulin G subclasses: IgG1, IgG2, IgG3 and IgG4. The G18-145 antibody has been reported not to react with the heavy chains of other human immunoglobulin 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:

For the sandwich human IgG subclasses ELISA, biotin-conjugated G18-145 is optimal for detection which using mAb with purified G18-3, JDC-14 (Cat. No. 555878), G17-4 (Cat. No. 555881) as capture mAb.

Suggested Companion Products

<u>Catalog Number</u>	<u>Name</u>	<u>Size</u>	<u>Clone</u>
555878	Purified Mouse Anti-Human IgG4	0.5 mg	JDC-14
555881	Purified Mouse Anti-Human IgG4	0.5 mg	G17-4
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 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: ELISA)

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