

## Technical Data Sheet

## HRP Anti-Human IgG

## Product Information

Material Number:	555788
Size:	1 mL
Clone:	G18-145
Isotype:	Mouse IgG1, $\kappa$
Reactivity:	QC Testing: Human
Storage Buffer:	Aqueous buffered solution containing BSA and ProClin™ 150 as preservative.

## 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 HRP under optimum conditions, and unconjugated antibody and free HRP were removed.

## Application Notes

## Application

ELISA	Routinely Tested
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## Recommended Assay Procedure:

Investigators are encouraged to titrate, with a suggested starting dilution of 1:1000. For sandwich ELISA of human IgG4, HRP-conjugated G18-145 is optimal as detecting mAb with purified JDC-14 (Cat. No. 555878) or G17-4 (Cat. No. 555881) as capture mAb.

**Warning:** HRP Mouse Anti-Human IgG contains 0.004% (w/w) of a CMIT/MIT mixture (3:1), which is a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC No 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC No 220-239-6] (3:1).

## Hazard statements

May cause an allergic skin reaction.

## Precautionary statements

Wear protective gloves / eye protection.

Wear protective clothing.

Avoid breathing mist/vapours/spray.

If skin irritation or rash occurs: Get medical advice/attention.

IF ON SKIN: Wash with plenty of water.

Dispose of contents/container in accordance with local/regional/national/international regulations.

## Suggested Companion Products

Catalog Number	Name	Size	Clone
555878	Purified Mouse Anti-Human IgG4	0.5 mg	JDC-14
555881	Purified Mouse Anti-Human IgG4	0.5 mg	G17-4

## Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. ProClin is a trademark of Rohm and Haas Company.
3. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
4. Please refer to [www.bdbiosciences.com/pharmingen/protocols](http://www.bdbiosciences.com/pharmingen/protocols) for technical protocols.

## References

Zola H, Macardle PJ, Flego L, Webster J. The expression of sub-population markers on B cells: a re-evaluation using high-sensitivity fluorescence flow cytometry. *Dis Markers*. 1991; 9(2):103-118. (Biology)

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