

Technical Data Sheet

HRP Rat Anti-Mouse IgM

Product Information

Material Number:	550588
Size:	1 mL
Clone:	II/41
Immunogen:	Not reported
Isotype:	Rat IgG2a, κ
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing BSA and ProClin™ 150 as preservative.

Description

The II/41 clone has been reported to react specifically with mouse IgM of Igh-C[a] and Igh-C[b] haplotypes. It has been reported not to react with other Ig isotypes. In addition, the II/41 clone has been reported not to stimulate B-cell proliferation.

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 Detection	Routinely Tested
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Recommended Assay Procedure:

ELISA: For detection of mouse IgM by sandwich ELISA, this antibody may be used as the detection antibody at a ~1:1000 dilution coupled with purified rat anti-mouse IgM antibody (clone R6-60.2) (Cat.No. 553405) as the capture antibody. Purified mouse IgM (Cat.No. 553472) may be used as the ELISA standard.

Warning: HRP Rat Anti-Mouse IgM 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
553405	Purified Rat Anti-Mouse IgM	0.5 mg	R6-60.2
553472	Purified Mouse IgM, κ Isotype Control	0.5 mg	G155-228

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. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
4. ProClin is a trademark of Rohm and Haas Company.

References

Laszlo G, Hathcock KS, Dickler HB, Hodes RJ. Characterization of a novel cell-surface molecule expressed on subpopulations of activated T and B cells. *J Immunol.* 1993; 150(12):5252-5262. (Biology)

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