

Technical Data Sheet

HRP Goat Anti-Rat Ig

Product Information

Material Number:	554017
Size:	1 mL
Clone:	Polyclonal
Reactivity:	QC Testing: Rat
Storage Buffer:	Aqueous buffered solution containing BSA and ProClin™ 150 as preservative.

Description

HRP Goat Anti-Rat Ig is a polyclonal secondary antibody used for the detection of rat Ig. This antibody is tested by ELISA. Investigators are highly encouraged to titrate the reagent for specific applications (1:1000 dilution is the suggested starting dilution). It is reactive in ELISA with rat IgG, IgM, and IgA; a weaker signal may be detected on the rat IgG2b and IgM isotypes. It has some cross-reactivity with mouse IgG and no cross-reactivity with human Ig. For immunohistochemical staining (IHC) of acetone-fixed frozen and paraffin-embedded sections, the use of biotinylated goat anti-rat Ig (Cat. No. 559286) is recommended. However, when using rat IgG2b primary antibodies, biotinylated mouse anti-rat IgG2b mAb G15-337 (Cat. No. 550327) is recommended as second step in IHC. When using rat IgM primary antibodies in IHC, biotinylated anti-rat and -hamster Ig κ light chain mAb RG7/7.6 (Cat. No. 550336) or biotinylated anti-rat IgM mAb G53-238 (Cat. No. 550330) as second step is recommended.

Warning: HRP Goat Anti-Rat Ig (Cat. No. 554017) 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.

Preparation and Storage

Store undiluted at -20°C.

Avoid multiple freeze-thaws of product.

The polyclonal antibody was purified from antiserum by negative adsorption and affinity chromatography.

The antibody was conjugated with HRP under optimum conditions, and unconjugated antibody and free HRP were removed.

The antibody solution was purified from goat antiserum and was passed through solid-phase immunoadsorbent gels to minimize cross-reactivity with mouse, human, cow, and horse serum proteins (multiple adsorption).

Application Notes

Application

ELISA	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
550327	Biotin Mouse Anti-Rat IgG2b	1 mL	G15-337
550336	Biotin Mouse Anti-Rat and Anti-Hamster Ig, κ Light Chain	1 mL	RG7/7.6
550330	Biotin Mouse Anti-Rat IgM	1 mL	G53-238

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 for technical protocols.

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