

Technical Data Sheet

HRP Rat Anti-Mouse IgG1

Product Information

Material Number:	559626
Alternate Name:	Igh-4; Ighg1; Immunoglobulin heavy constant gamma 1
Size:	1 mL
Clone:	X56
Immunogen:	Mouse IgG1, κ Antibody
Isotype:	Rat (LOU) IgG1, κ
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing BSA and ProClin™ 150 as preservative.

Description

The X56 monoclonal antibody specifically binds to mouse IgG1 of *Igh-C[a]* and *Igh-C[b]* haplotypes. It does not crossreact with other Ig 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 mouse IgG1, HRP-conjugated X56 mAb is optimal for detection with purified anti-mouse IgG1 A85-3 mAb (Cat. No. 553445) for capture.

Warning: HRP Rat Anti-Mouse IgG1 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
550331	Biotin Rat Anti-Mouse IgG1	1 mL	A85-1
553445	Purified Rat Anti-Mouse IgG1	0.5 mg	A85-3

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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