

Datasheet for 610-4343

Mouse IgG3 (Gamma 3 chain) Antibody Peroxidase Conjugated**Overview**

Description:	Rabbit Anti-Mouse IgG3 (Gamma 3 chain) Antibody Peroxidase Conjugated - 610-4343
Item No.:	610-4343
Size:	1 mg
Applications:	ELISA
Reactivity:	Mouse
Host Species:	Rabbit

Product Details

Background:	Anti-Mouse IgG3 heavy chain antibody generated in rabbit detects specifically Mouse IgG3 heavy chain. This secondary antibody anti-Mouse is ideal for investigators who routinely perform titration assays, western-blot, immunoprecipitation and more generally immunoassays.
Synonyms:	Rabbit Anti-Mouse IgG3 (gamma 3 chain) Antibody peroxidase Conjugated, Rabbit Anti-Mouse IgG3 Antibody HRP Conjugation
Host Species:	Rabbit
Specificity:	IgG3
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Mouse
Immunogen Type:	Native Protein
Immunogen:	Anti-Mouse IgG3 heavy chain was produced by repeated immunization with Mouse IgG3 heavy chain in rabbit.

Purity/Specificity:	Anti-MOUSE IgG3 (Gamma 3 chain) (RABBIT) Antibody Peroxidase Conjugated was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum, Mouse IgG and Mouse Serum. Specificity was confirmed by ELISA at less than 1% cross reactivity against other mouse or human heavy or light chain isotypes.
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Application Details

Tested Applications:	ELISA
Application Note:	Mouse IgG3 heavy chain Peroxidase Conjugated antibody has been tested by ELISA and is suitable for immunoblotting (western or dot blot), ELISA, and immunohistochemistry requiring extremely low background levels, lot-to-lot consistency, high titer and specificity.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:75,000 - 1:125,000
IHC:	1:500 - 1:2,500
WB:	1:1,000 - 1:5,000
Other:	User Optimized

Formulation

Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

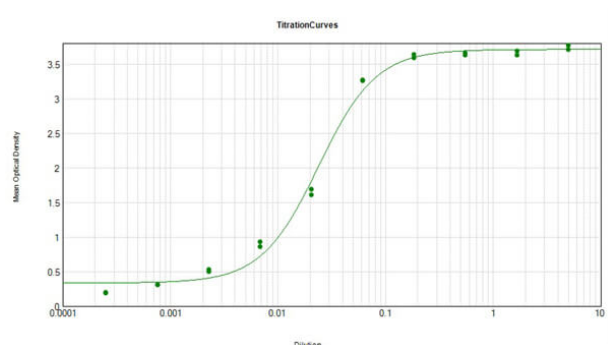
Shipping & Handling

Shipping Condition:	Ambient
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Storage Condition: Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



ELISA

ELISA Results of Rabbit Anti-Mouse IgG3 Antibody Peroxidase Conjugated tested against purified Mouse IgG3 HRP. Each well was coated in duplicate with 1.0 µg of Mouse IgG3 (p/n 010-0143). The working dilution is 1:41600. The starting dilution of antibody was 5µg/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using TMB substrate (p/n TMBE-1000).

References

- Secundino I et al. Salmonella porins induce a sustained, lifelong specific bactericidal antibody memory response. *Immunology*. (2006)

Disclaimer

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