

Datasheet for 610-4512

Mouse IgG (gamma chain) Antibody Alkaline Phosphatase**Overview**

Description:	Rabbit Anti-Mouse IgG (gamma chain) Antibody Alkaline Phosphatase Conjugated - 610-4512
Item No.:	610-4512
Size:	1 mg
Applications:	ELISA
Reactivity:	Mouse
Host Species:	Rabbit

Product Details

Background:	Anti-Mouse IgG (gamma chain) Antibody generated in Rabbit detects specifically Mouse IgG gamma heavy chain. This secondary antibody anti-Mouse is ideal for investigators who routinely perform ELISA, Sandwich ELISA, titration assays, western-blot, immunoprecipitation and more generally immunoassays. Anti-Mouse IgG (gamma chain) Antibody is ideal for investigators in Immunology, Cancer. and Microbiology research.
Synonyms:	rabbit anti-Mouse IgG Antibody alkaline phosphatase conjugation, rabbit anti-Mouse IgG gamma alk phos conjugated Antibody
Host Species:	Rabbit
Specificity:	IgG (gamma chain)
Conjugate:	Alkaline Phosphatase (AP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Mouse
Immunogen:	Mouse IgG gamma heavy chain

Purity/Specificity:	Anti-Mouse IgG (gamma chain) Antibody was prepared from monospecific antiserum by immunoaffinity chromatography using antigen 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-Alkaline Phosphatase (calf intestine) and anti-Rabbit 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:	Anti-Mouse IgG (gamma chain) Alkaline Phosphatase Conjugated Antibody has been tested by ELISA and is suitable for use in immunoelectrophoresis, western-blot, competitive western-blot, ELISA and competitive ELISA assays. Specific conditions for reactivity and signal detection should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:1,000 - 1:11,000
IHC:	1:200 - 1:1,000
WB:	1:500 - 1:2,500

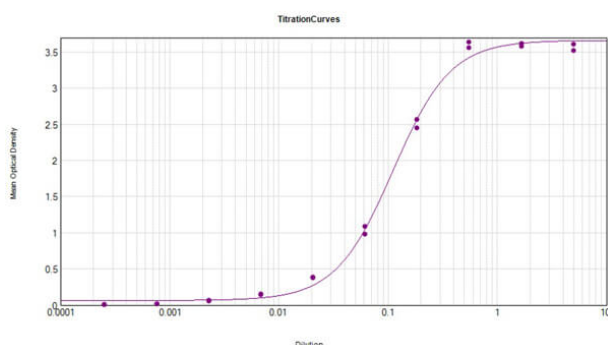
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C before opening. DO NOT FREEZE. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



ELISA

ELISA Results of Rabbit Anti-Mouse IgG Antibody Alkaline Phosphatase Conjugated tested against purified Mouse IgG Alk Phos. Each well was coated in duplicate with 1.0 µg of Mouse IgG (p/n 010-0102). The working dilution is 1:9000. 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 ELISA Alkaline Phosphatase Substrate Buffer (p/n NPP-10) and NPP Working Buffer (p/n NPP-B500).

References

- Gallo G et al. AdiY acts as a cytoplasmic pH sensor via histidine protonation to regulate acid stress adaptation in *Escherichia coli*. *J Bacteriol.* (2026)

Disclaimer

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