

Datasheet for 610-105-040

## Mouse IgG1 Antibody Alkaline Phosphatase Conjugated Pre-Adsorbed

### Overview

<b>Description:</b>	Goat Anti-Mouse IgG1 (Gamma 1 chain) Antibody Alkaline Phosphatase Conjugated (Min X Bv, Hu, and Rb Serum Proteins) - 610-105-040
<b>Item No.:</b>	610-105-040
<b>Size:</b>	1 mg
<b>Applications:</b>	Dot Blot, ELISA
<b>Reactivity:</b>	Mouse
<b>Host Species:</b>	Goat

### Product Details

<b>Background:</b>	Anti-Mouse IgG1 Alkaline Phosphatase Antibody generated in goat detects reactivity to Mouse IgG1 (Gamma 1 chain). Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. IgG1 chain constitutes 66% of the IgG subclass and has a high affinity for binding to the Fc receptor of phagocytic cells. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition.
<b>Synonyms:</b>	Goat anti-mouse IgG1 antibody alkaline phosphatase conjugation, goat anti-mouse IgG1 (gamma 1) alk phos conjugated antibody
<b>Host Species:</b>	Goat
<b>Specificity:</b>	IgG1
<b>Conjugate:</b>	Alkaline Phosphatase (AP)
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

### Target Details

<b>Reactivity:</b>	Mouse
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<b>Immunogen Type:</b>	Native Protein
<b>Immunogen:</b>	Mouse IgG1 heavy chain
<b>Purity/Specificity:</b>	Anti-Mouse IgG1 antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG1 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), anti-Goat Serum, Mouse Serum, Mouse IgG and Mouse IgG1. No reaction was observed against Bovine, Human, and Rabbit Serum Proteins. Specificity was confirmed by ELISA at less than 1% of target signal.

## Application Details

<b>Tested Applications:</b>	Dot Blot, ELISA
<b>Application Note:</b>	Anti-Mouse IgG1 Alkaline Phosphatase Conjugated Secondary antibody has been tested by ELISA and dot blot and is ideal for western blotting, Immunohistochemistry and ELISA as well as other antibody detection methods.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>ELISA:</b>	1:10,000 - 1:40,000
<b>IHC:</b>	1:200 - 1:1,000
<b>WB:</b>	1:500 - 1:2,000

## Formulation

<b>Physical State:</b>	Liquid (sterile filtered)
<b>Concentration:</b>	1.0 mg/mL by UV absorbance at 280 nm
<b>Buffer:</b>	0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0
<b>Preservative:</b>	0.1% (w/v) Sodium Azide
<b>Stabilizer:</b>	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

## Shipping & Handling

<b>Shipping Condition:</b>	Wet Ice
<b>Storage Condition:</b>	Store vial at 4° C before opening. DO NOT FREEZE. Conjugated antibody 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.

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## References

- Ahmed N et al. Toxoplasma Co-infection Prevents Th2 Differentiation and Leads to a Helminth-Specific Th1 Response. *Front Cell Infect Microbiol.* (2017)

## Disclaimer

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