

Datasheet for 610-4543

## Mouse IgG3 (Gamma 3 chain) Antibody Alkaline Phosphatase Conjugated

### Overview

<b>Description:</b>	Rabbit Anti-Mouse IgG3 (Gamma 3 chain) Antibody Alkaline Phosphatase Conjugated - 610-4543
<b>Item No.:</b>	610-4543
<b>Size:</b>	1 mg
<b>Applications:</b>	Dot Blot, ELISA
<b>Reactivity:</b>	Mouse
<b>Host Species:</b>	Rabbit

### Product Details

<b>Background:</b>	Anti-Mouse IgG3 Alkaline Phosphatase Antibody generated in rabbit detects reactivity to Mouse IgG3 (Gamma 3 chain). Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. IgG3 comprises almost 10% 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>	Rabbit Anti-Mouse IgG3 (gamma 3 chain) Antibody alkaline phosphatase Conjugated, Rabbit Anti-Mouse IgG3 Antibody alk phos Conjugation
<b>Host Species:</b>	Rabbit
<b>Specificity:</b>	IgG3
<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:</b>	Mouse IgG3 heavy chain
<b>Purity/Specificity:</b>	This product was prepared from monospecific antiserum by immunoaffinity chromatography using antigens 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 heavy or light chain isotypes.

## Application Details

<b>Tested Applications:</b>	Dot Blot, ELISA
<b>Application Note:</b>	Anti-Mouse IgG3 Alkaline Phosphatase Antibody has been tested by ELISA and dot blot and is assayed against 1.0 ug of Mouse IgG in a standard capture ELISA using pNPP p-nitrophenyl phosphate code # NPP-10 as a substrate for 30 minutes at room temperature. A working dilution of 1:2,000 to 1:4,000 is suggested for this product.
<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 - 1:30,000
<b>IHC:</b>	1:200 - 1:1,000
<b>WB:</b>	1:500 - 1:2,500

## 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>	0.01% (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. 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.

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## Disclaimer

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