Goat IgG anti-Mouse IgG (Fc)-Alk. Phos., MinX none

General Information

Catalog Number: SEC-183179

Quantity: 1 mg

Physical State: Liquid (sterile filtered)

Reconstitution Volume:

Reconstitution Buffer:

Shipping Conditions: Wet Ice

Product Expiration Expiration date is one (1) year from date of opening.

Antibody Host / Format

Host Species: Goat

Antibody Format: IgG whole molecule

Clonality / Isotype / Clone: polyclonal Ig

Concentration: 0.81 mg/mL by UV absorbance at 280 nm

Conjugation: Alkaline Phosphatase

Maximum Excitation / Emission: /

Specificity

Target Species: Mouse

Antibody Specificity: IgG (Fc Fragment)

Immunogen: Mouse IgG F(c) fragment

This product 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-Alkaline Phosphatase (calf intestine), anti-Goat Serum, Mouse IgG, Mouse IgG F(c) and Mouse Serum. No reaction was observed against Mouse IgG F(ab).

Minimal Cross Reactivity: none

Formulation, Transport and Storage

Storage 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

Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Preservatives: 0.01% (w/v) Sodium Azide

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.

Storage Temperature: 4-8°C

Application Recommendation

This product is for In Vitro experimental use only. Not for Therapeutic or Diagnostic use.

Manufacturer

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Application: ELISA, Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections), Immunohistochemistry (frozen sections), Western Blot

Dilution: ELISA 1:2,000 - 1:10,000, Immunohistochemistry (IHC) 1:200 - 1:1,000, Western Blot (WB) 1:500 - 1:2.500

Application Note:

This product has been 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 1:500 to 1:5,000 of the reconstitution concentration is suggested for this product.

Background Information

Anti-Mouse IgG F(c) Alkaline Phosphatase generated in goat is a proteolytic fragment of immunoglobulin G (IgG) obtained by limited digestion with the enzyme papain under controlled conditions of temperature, time and pH. Receptors bind the Fc portion of mouse IgG and often this fragment is removed from immunoglobulins to minimize receptor binding and lower background reactivity.

Safety Information

This reagent contains sodium azide (a poisonous and hazardous substance) as preservative. Although this concentration is not regarded as dangerous to health, appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. Standard Laboratory Practices should be followed when handling this material.

Disclaimer

This product is warranted to perform in conformance with product specifications and to be free from defects in material and workmanship. Products are supplied for research use only. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated, this warranty is limited to one year from date of shipment when the product is subjected to normal, proper and intended usage. Buyer's exclusive remedy for non-conforming products during the warranty period is limited to replacement of or refund for the non-conforming product(s). There is no obligation to replace products as the result of accident or disaster or inappropriate use of the products in a manner for which they were not designed, or improper storage and handling of the products.

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