

Product Datasheet / Instruction for use



SEC-183139 2023-02-23 1 / 2

Goat IgG anti-Mouse IgG+IgM+IgA (H+L)-HRPO, MinX Bo,Ho,Hu

General Information

Catalog Number: SEC-183139 Physical State: Lyophilized

Quantity: 1 mg Reconstitution Volume: 1.0 mL

Reconstitution Buffer: Restore with deionized water (or equivalent)

Shipping Conditions: at room temperature

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

opening.

Antibody Host / Format

Host Species: Goat Clonality / Isotype / Clone: polyclonal Ig

Antibody Format: IgG whole molecule Concentration: 1.0 mg/mL by UV absorbance at 280 nm

Conjugation: Horseradish Peroxidase (HRP)

Maximum Excitation / Emission: /

Specificity

Target Species: Mouse IgG IgA and IgM whole molecule

Antibody Specificity: IgG + IgM + IgA This product was prepared from polyspecific antiserum by immunoaffinity

chromatography using Mouse 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-Peroxidase and anti-Goat Serum. No reaction was observed against bovine, horse or human serum proteins. This reagent is suitable for the detection of all Mouse immunoglobulin isotypes and chain combinations.

Minimal Cross Reactivity: Bovine, Horse, Human

Formulation, Transport and Storage

Storage Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

(H+L)

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

free

Preservatives: 0.01% (w/v) Thimerosal

Application Recommendation

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.

Storage Temperature: 4-8°C

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

Manufacturer

BIOZOL Diagnostica Vertrieb GmbH Leipziger Straße 4 85386 Eching Phone +49 (89) 3799 666 6 Fax +49 (89) 3799 666 99 E-mail info@biozol.de www.biozol.de

www.dianova.com

Your Secondary Antibody Portal Powered by BIOZOL

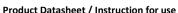


Management System ISO 9001:2015



www.tuv.com ID 9000019771







SEC-183139 2023-02-23 2 / 2

Application: ELISA, Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections),

Immunohistochemistry (frozen sections), Western Blot

Dilution: ELISA 1:10.000 - 1:50.000, Immunohistochemistry (IHC) 1:500 - 1:2,500, Western Blot (WB) 1:1.000 - 1:5.000

Application Note:

Anti-Mouse IgG IgA IgM Peroxidase conjugate is suitable for immunoblotting (western or dot blot), ELISA, immunoelectron microscopy and immunohistochemistry as well as other antibody-based enzymatic assays requiring lot-to-lot consistency.

Background Information

Anti-Mouse IgG IgA IgM Peroxidase Antibody generated in goat detects reactivity to Mouse IgG, Mouse IgA, and Mouse IgM. Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the compliment cascade, and opsinization for phagocytosis. The whole IgG molecule possesses both the F(c) region, recognized by high-affinity Fc receptor proteins, as well as the F(ab) region possessing the epitope-recognition site. Both the Heavy and Light chains of the antibody molecule are present. Immunoglobulin A (IgA) is an antibody that plays a critical role in mucosal immunity. IgA has two subclasses (IgA1 and IgA2) and can exist in a dimeric form called secretory IgA (sIgA). Immunoglobulin M is the largest antibody isotype and the first to be secreted against an initial exposure to antigen. IgM is predominantly produced in the spleen. Formed from covalently linking 5 immunoglobulins together. 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.

Safety Information

This reagent contains Thimerosal (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.DO NOT ADD SODIUM AZIDE! Use of Sodium Azide as a preservative will substantially inhibit the enzyme activity of horseradish peroxidase!

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.





