

## Goat IgG anti-Mouse IgG+IgM+IgA (H+L)-Alk. Phos., MinX none

### General Information

|                                   |  |
|-----------------------------------|--|
| <b>Catalog Number:</b> SEC-183146 | <b>Physical State:</b> Liquid (sterile filtered)                                 |
| <b>Quantity:</b> 1 mg             | <b>Reconstitution Volume:</b>  |
|                                   | <b>Reconstitution Buffer:</b>  |
|                                   | <b>Shipping Conditions:</b> Wet Ice  |
|                                   | <b>Product Expiration:</b> Expiration date is one (1) year from date of opening. |

### Antibody Host / Format

|  |  |
|--|--|
| <b>Host Species:</b> Goat                  | <b>Clonality / Isotype / Clone:</b> polyclonal Ig          |
| <b>Antibody Format:</b> IgG whole molecule | <b>Concentration:</b> 1.0 mg/mL by UV absorbance at 280 nm |
|  | <b>Conjugation:</b> Alkaline Phosphatase                   |
|  | <b>Maximum Excitation / Emission:</b> /                    |



### Specificity

|  |  |
|--|--|
| <b>Target Species:</b> Mouse                       | <b>Immunogen:</b> Mouse IgG IgA and IgM whole molecule   |
| <b>Antibody Specificity:</b> IgG + IgM + IgA (H+L) | This product was prepared from monospecific 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-Alkaline Phosphatase (calf intestine) and anti-Goat Serum. This reagent is suitable for the detection of all Mouse immunoglobulin isotypes, subclasses and chain combinations. |
|  | <b>Minimal Cross Reactivity:</b> none  |

### Formulation, Transport and Storage

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|--|--|
| <b>Storage 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>Preservatives:</b> 0.01% (w/v) Sodium Azide   |
| <b>Stabilizer:</b> 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free  | 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. |
|  | <b>Storage Temperature:</b> 4-8°C  |

### Application Recommendation

|   |   |   |
|---|---|---|
| This product is for In Vitro experimental use only. Not for Therapeutic or Diagnostic use.                  |   |   |
| <b>Manufacturer</b><br><b>BIOZOL</b><br>Diagnostica Vertrieb GmbH<br>Leipziger Straße 4<br>85386 Eching     | Phone +49 (89) 3799 666 6<br>Fax +49 (89) 3799 666 99<br>E-mail info@biozol.de<br>www.biozol.de |  Management System<br>ISO 9001:2015<br>www.tuv.com<br>ID 900019771 |
| <a href="http://www.dianova.com">www.dianova.com</a><br>Your Secondary Antibody Portal<br>Powered by BIOZOL |   |    |

**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:**

Anti-Mouse IgG IgA IgM Alk Phos 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 Alkaline Phosphatase 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 complement cascade, and opsonization 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 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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**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](http://www.dianova.com)

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