

## Goat IgG anti-Mouse IgG (H+L)-unconj., MinX none

### General Information

<b>Catalog Number:</b> SEC-183158	<b>Physical State:</b> Liquid (sterile filtered)
<b>Quantity:</b> 2 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> 2.0 mg/ml by UV absorbance at 280 nm
	<b>Conjugation:</b> unconjugated
	<b>Maximum Excitation / Emission:</b> /

### Specificity

<b>Target Species:</b> Mouse	<b>Immunogen:</b> Anti-Mouse IgG whole molecule was produced by repeated immunization with Mouse IgG whole molecule in goat.
<b>Antibody Specificity:</b> IgG (H+L)	Secondary Antibody Anti-Mouse IgG (H&L) was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG coupled to agarose. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Mouse IgG and Mouse Serum.
	<b>Minimal Cross Reactivity:</b> none

### Formulation, Transport and Storage

<b>Storage Buffer:</b> 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2	Store Anti-Mouse Secondary Antibody at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.
<b>Stabilizer:</b> None	
<b>Preservatives:</b> 0.01% (w/v) Sodium Azide	<b>Storage Temperature:</b> 4-8°C

### Application Recommendation

**Application:** ELISA, FLISA, Flow Cytometry, Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections), Immunohistochemistry (frozen sections), Immunofluorescence, Immunoprecipitation, Western Blot

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

#### Manufacturer

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**Dilution:** ELISA 1:25.000, FLISA application dependent, Flow cytometry application-dependent, Immunohistochemistry (IHC) 1:1,000 - 1:5,000, Immunofluorescence application-dependent, Immunoprecipitation application-dependent, Western Blot (WB) 1:3.000 - 1:15.000

**Application Note:**

Anti-Mouse IgG affinity purified secondary antibody is generated in goat detects specifically Mouse IgG whole molecule. This anti-Mouse IgG secondary antibody is ideal for investigators who routinely perform ELISA, Sandwich ELISA, titration assays, western-blot, immunoprecipitation and more generally immunoassays. Specific conditions for reactivity and signal detection should be optimized by the end user.

**Background Information**



Anti-Mouse IgG Antibody generated in goat detects reactivity to Mouse IgG. 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. 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. This unconjugated secondary antibody has been validated and optimized yielding good sensitivity and reproducible results with Rockland's primary antibodies.

**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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