

## Goat IgG anti-Human IgG (H+L)-RPE, MinX Bo,Ck,Go,Gp,Hm,Ho,Ms,Rb,Rt,Sh

### General Information

<b>Catalog Number:</b> SEC-183002	<b>Physical State:</b> Lyophilized
<b>Quantity:</b> 1 ml	<b>Reconstitution Volume:</b> 1.0 mL
	<b>Reconstitution Buffer:</b> Restore with deionized water (or equivalent)
	<b>Shipping Conditions:</b> at room temperature
	<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> 0.5 mg/mL by absorbance = 82.0 at 565 nm
	<b>Conjugation:</b> RPE (R-phycoerythrin)
	<b>Maximum Excitation / Emission:</b> 490 nm; 545 nm; 566 nm / 580 nm

### Specificity

<b>Target Species:</b> Human	<b>Immunogen:</b> Anti-Human IgG whole molecule was produced by repeated immunization with Human IgG whole molecule in goat.
<b>Antibody Specificity:</b> IgG (H+L)	<p>This product was prepared from monospecific antiserum by immunoaffinity chromatography using Human 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-Phycoerythrin, anti-Goat Serum, Human IgG and Human Serum. No reaction was observed against Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Mouse, Rabbit, Rat and Sheep Serum Proteins.</p> <p><b>Minimal Cross Reactivity:</b> Bovine, Chicken, Goat, Guinea Pig, Hamster generally, Horse, Mouse, Rabbit, Rat, Sheep</p>

### Formulation, Transport and Storage

<b>Storage Buffer:</b> 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2	<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 prior to restoration. Restore with deionized water (or equivalent). This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Centrifuge product if not completely clear after standing at room temperature. Do not freeze after reconstitution.

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

#### Manufacturer

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Management System  
ISO 9001:2015

www.tuv.com  
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Store reagent in the dark. Use subdued lighting during handling and incubation of cells prior to analysis.

**Storage Temperature:** 4-8°C

### Application Recommendation

**Application:** Immunofluorescence

**Dilution:** Immunofluorescence 1:100 - 1:250

### Application Note:

This secondary antibody anti-Human is ideal for investigators who routinely perform ELISA, Sandwich ELISA, titration assays, western-blot, immunoprecipitation and more generally immunoassays. Suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring extremely low background levels, absence of F(c) mediated binding, lot-to-lot consistency, high titer and specificity. The maximum amount of reagent required to stain 1 x 10E6 cells in flow cytometry is approximately 1.0 µg of antibody conjugate. Lesser amounts of reagent may be sufficient for staining. Optimal titers for other applications should be determined by the researcher. As a general guideline dilutions of 1:100 to 1:250 should be suitable for most applications.

### Background Information

Anti-Human IgG (H&L) Phycoerythrin generated in goat detects human Immunoglobulin G (IgG), both heavy and light chains of the antibody molecule are present. It is a protein complex composed of four peptide chains — two identical heavy chains and two identical light chains arranged in a Y-shape typical of antibody monomers. Each IgG has two antigen binding sites. Representing approximately 75% of serum immunoglobulins in humans, IgG is the most abundant antibody isotype found in the circulation. IgG molecules are synthesized and secreted by plasma B 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.

### 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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