

## Rabbit IgG anti-Donkey IgG (H+L)-HRPO, MinX none

### General Information

<b>Catalog Number:</b> SEC-182643	<b>Physical State:</b> Lyophilized
<b>Quantity:</b> 20 mg	<b>Reconstitution Volume:</b> 2.0 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> Rabbit	<b>Clonality / Isotype / Clone:</b> polyclonal Ig
<b>Antibody Format:</b> IgG whole molecule	<b>Concentration:</b> 10.0 mg/mL by UV absorbance at 280 nm
	<b>Conjugation:</b> Horseradish Peroxidase (HRP)
	<b>Maximum Excitation / Emission:</b> /

### Specificity

<b>Target Species:</b> Donkey	<b>Immunogen:</b> Donkey IgG whole molecule
<b>Antibody Specificity:</b> IgG (H+L)	This product is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum, Donkey IgG, and Donkey 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 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.
<b>Stabilizer:</b> 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free	
<b>Preservatives:</b> 0.01% (w/v) Gentamicin Sulfate	
	<b>Storage Temperature:</b> 4-8°C

### Application Recommendation

This product is for In Vitro experimental use only. Not for Therapeutic or Diagnostic use.		
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	Management System ISO 9001:2015 www.tuv.com ID 9000019771	

**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 - 1:10.000

**Application Note:**

This product is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms. This product has been assayed against 1.0 ug of Donkey IgG in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:20,000 to 1:80,000 of the reconstitution concentration is suggested for this product.

**Background Information**

Anti-Donkey IgG Peroxidase Antibody generated in rabbit detects donkey 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 heavy and light chains of the antibody molecule are present.

**Safety Information**

This reagent contains Gentamicin Sulfate (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.

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		<p>Management System          ISO 9001:2015          www.tuv.com          ID 900019771</p> 