

## Rabbit F(ab')<sub>2</sub> anti-Rat IgG (H+L)-HRPO, MinX none

### General Information

|                                   |  |
|-----------------------------------|--|
| <b>Catalog Number:</b> SEC-182711 | <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 F(ab') <sub>2</sub> Fragment | <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> Rat             | <b>Immunogen:</b> Rat IgG whole molecule  |
| <b>Antibody Specificity:</b> IgG (H+L) | This product is a F(ab') <sub>2</sub> fragment of an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation, ion exchange chromatography and pepsin digestion followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum, Rat IgG and Rat Serum. No reaction was observed against anti-Rabbit IgG F(c) or anti-Pepsin. |
|  | <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.                  |   |  |
| <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 | <div style="text-align: center;">  <p>Management System<br/>ISO 9001:2015</p>  <p>www.tuv.com<br/>ID 9000019771</p> </div> |
| <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 1:10.000 - 1:50.000, Immunohistochemistry (IHC) 1:500 - 1:2,500, Western Blot (WB) 1:1.000 - 1:5.000

**Application Note:**

F(ab')<sub>2</sub> Anti-Rat IgG (H&L) Peroxidase secondary antibody reagents are ideal for ELISA, western blotting, Immunohistochemistry, Fluorescence Microscopy, Flow Cytometry as well as other antibody detection methods.

**Background Information**

F(ab')<sub>2</sub> detects immunoglobulin g from rat, both heavy and light chains of the antibody molecule are present. 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. F(ab')<sub>2</sub> Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays. F(ab')<sub>2</sub> Anti-Rat IgG (H&L) Antibody is ideal for investigators in Immunology, Cancer, and Microbiology research.

**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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**Manufacturer**

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