

Product Datasheet / Instruction for use



# Rabbit F(ab')2 anti-Rat IgG (H+L)-unconj., MinX none

## **General Information**

| Catalog Number:       SEC-182707       Physical State:       Lyophilized         Quantity:       20 mg       Reconstitution Volume:       2.0 mL         Reconstitution Buffer:       Restore with deionized water (or equivalent)       Shipping Conditions:       at room temperature         Product Expiration       Expiration date is one (1) year from date of opening.       Depening.         Antibody Host / Format:       IgG F(ab')2 Fragment       Clonality / isotype / Clone:       polyclonal Ig         Antibody Format:       IgG F(ab')2 Fragment       Concentration:       10.0 mg/mL by UV absorbance at 280 nm         Specificity       IgG F(ab')2 Fragment       Conjugation:       unconjugated         Maximum Excitation / Emission: /       Specificity:       Immunogen:       Rat IgG whole molecule         Antibody Specificity:       IgG (H+L)       This product is a F(ab')2 fragment of IgG fraction antibody purified from monospecific antisterum by a multi-step process which includes delipidation, salt fractionation, ion exchange chromatographic separation and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit IgG F(c) or anti-Pepsin.         Minimal Cross Reactivity: none       Formulation, Transport and Storage         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 is stable for several weeks a             |   |  |   |  |  |
|--|---|--|---|--|--|
| Reconstitution Buffer:       Restore with deionized water (or equivalent)         Shipping Conditions:       at room temperature         Product Expiration       Expiration date is one (1) year from date of opening.         Antibody Host / Format       Clonality / Isotype / Clone:       polyclonal Ig         Antibody Format:       IgG F(ab')2 Fragment       Concentration:       10.0 mg/mL by UV absorbance at 280 nm         Specificity       Conjugation:       unconjugated         Maximum Excitation / Emission: /       Specificity:         Specificity:       IgG (H+L)       Immunogen:       Rat IgG whole molecule         This product is a F(ab')2 fragment of 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 chromatographic separation and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit IgG F(c) or anti-Pepsin.         Minimal Cross Reactivity: none       Storage Buffer:       0.0.1 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2         Stabilizer:       None       Proot 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 undifieted liquid. Dilute only prior to immediate use. | Catalog Number: SEC-182707                      | Physical State:  | Lyophilized   |  |  |
| Shipping Conditions:       at room temperature         Product Expiration       Expiration date is one (1) year from date of opening.         Antibody Host / Format       Expiration date is one (1) year from date of opening.         Antibody Format:       IgG F(ab')2 Fragment       Clonality / Isotype / Clone:       polyclonal Ig         Antibody Format:       IgG F(ab')2 Fragment       Concentration:       10.0 mg/mL by UV absorbance at 280 mm         Specificity       Target Species:       Rat       Immunogen:       Rat IgG whole molecule         Target Species:       Rat       Immunogen:       Rat IgG whole molecule         This product is a F(ab')2 fragment of 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 chromatographic separation and extensive dialysis against the buffer stated above. Assay by immunoleeltrophoresis resulted in a single precipitin arc against anti-Rabbit IgG F(c) or anti-Pepsin.         Minimal Cross Reactivity: none       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 thaving. 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.         Storage Temperature:       Yorage Temperature:       4.8°C                         | Quantity: 20 mg                                 | Reconstitution Volume:   | Restore with deionized water (or equivalent)<br>at room temperature<br>Expiration date is one (1) year from date of   |  |  |
| Antibody Host / Format         Host Species:       Rabbit         Antibody Format:       IgG F(ab')2 Fragment         Concentration:       10.0 mg/mL by UV absorbance at 280 mm         Conjugation:       unconjugated         Maximum Excitation / Emission: /         Specificity         Target Species:       Rat         Antibody Specificity:       IgG (H+L)         This product is a F(ab')2 fragment of IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation, ion exchange chromatography and pepsin digiestion followed by chromatographic separation and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum, Na t IgG and Rat Serum. No reaction was observed against anti-Rabbit IgG F(c) or anti-Pepsin.         Minimal Cross Reactivity: none       Storage Buffer: 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2         Stabilizer:       None         Preservatives:       None         Preservatives:       None         Storage Temperature:       4.8°C  |   | <b>Reconstitution Buffer:</b>  |   |  |  |
| Antibody Host / Format Host Species: Rabbit Antibody Format: IgG F(ab')2 Fragment Concentration: 10.0 mg/mL by UV absorbance at 280 mm Conjugation: unconjugated Maximum Excitation / Emission: / Specificity Target Species: Rat Antibody Specificity: IgG (H+L) Ins product is a F(ab')2 fragment of 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 chromatographic separation and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin are against anti-Rabbit IgG F(c) or anti- Pepsin. Minimal Cross Reactivity: none Formulation, Transport and Storage Storage Buffer: 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservatives: None Preservatives: None   |   | Shipping Conditions:   |   |  |  |
| Host Species:       Rabbit       Clonality / Isotype / Clone:       polyclonal Ig         Antibody Format:       IgG F(ab')2 Fragment       10.0 mg/mL by UV absorbance at 280 mm         Conjugation:       unconjugated         Maximum Excitation / Emission: /         Specificity         Target Species:       Rat         Antibody Specificity:       IgG (H+L)         This product is a F(ab')2 fragment of IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, sol tractionation, ion exchange chromatography and pepsin digestion followed by chromatographic separation and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit IgG F(c) or anti-Pepsin.         Minimal Cross Reactivity: none       Minimal Cross Reactivity: none         Formulation, Transport and Storage       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.   |   | Product Expiration   |   |  |  |
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| nm       Conjugation:       unconjugated         Maximum Excitation / Emission: /       Specificity         Target Species:       Rat       Immunogen:       Rat IgG whole molecule         Antibody Specificity:       IgG (H+L)       This product is a F(ab')2 fragment of 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 chromatographic separation and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit IgG F(c) or anti-Pepsin.         Minimal Cross Reactivity: none       Minimal Cross Reactivity: none         Formulation, Transport and Storage       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 is to stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.         Storage Temperature:       None   | Host Species: Rabbit                            | Clonality / Isotype / Clor   | ne: polyclonal Ig   |  |  |
| Specificity         Target Species:       Rat         Antibody Specificity:       IgG (H+L)         This product is a F(ab')2 fragment of 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 chromatographic separation and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit IgG F(c) or anti-Pepsin.         Minimal Cross Reactivity: none         Formulation, Transport and Storage         Storage Buffer:       0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2         Stabilizer:       None         Preservatives:       None         Storage Temperature:       4.8°C  | Antibody Format: IgG F(ab')2 Fragment           | Concentration:   |   |  |  |
| Specificity         Target Species:       Rat         Antibody Specificity:       IgG (H+L)         This product is a F(ab')2 fragment of 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 chromatographic separation and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum, Rat IgG and Rat Serum. No reaction was observed against anti-Rabbit IgG F(c) or anti-Pepsin.         Minimal Cross Reactivity: none         Formulation, Transport and Storage       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.         Storage Temperature:       4-8°C  |   | Conjugation:   | unconjugated  |  |  |
| Target Species:RatImmunogen:Rat IgG whole moleculeAntibody Specificity:IgG (H+L)This product is a F(ab')2 fragment of IgG fraction antibody purified from<br>monospecific antiserum by a multi-step process which includes<br>delipidation, salt fractionation, ion exchange chromatography and pepsin<br>digestion followed by chromatographic separation and extensive dialysis<br>against the buffer stated above. Assay by immunoelectrophoresis<br>resulted in a single precipitin arc against anti-Rabbit Serum, Rat IgG and<br>Rat Serum. No reaction was observed against anti-Rabbit IgG F(c) or anti-<br>  |   | Maximum Excitation / Emission: /   |   |  |  |
| Antibody Specificity:       IgG (H+L)         This product is a F(ab')2 fragment of 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 chromatographic separation and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum, Rat IgG and Rat Serum. No reaction was observed against anti-Rabbit IgG F(c) or anti-Pepsin.         Minimal Cross Reactivity: none         Formulation, Transport and Storage       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.         Storage Temperature:       4-8°C  | Specificity                                     | I  |   |  |  |
| monospecific antiserum by a multi-step process which includes<br>delipidation, salt fractionation, ion exchange chromatography and pepsin<br>digestion followed by chromatographic separation and extensive dialysis<br>against the buffer stated above. Assay by immunoelectrophoresis<br>resulted in a single precipitin arc against anti-Rabbit Serum, Rat IgG and<br>Rat Serum. No reaction was observed against anti-Rabbit IgG F(c) or anti-<br>Pepsin.<br>Minimal Cross Reactivity: noneFormulation, Transport and StorageStore vial at 4° C prior to restoration. For extended storage aliquot<br>contents and freeze at -20° C or below. Avoid cycles of freezing and<br>thawing. Centrifuge product if not completely clear after standing at<br>room temperature. This product is stable for several weeks at 4° C as an<br>undiluted liquid. Dilute only prior to immediate use.Storage Temperature:4-8°C  | Target Species: Rat                             | Immunogen:   | Rat IgG whole molecule  |  |  |
| Formulation, Transport and StorageStorage Buffer:0.01 M Sodium Phosphate,<br>0.15 M Sodium Chloride, pH 7.2Store vial at 4° C prior to restoration. For extended storage aliquot<br>contents and freeze at -20° C or below. Avoid cycles of freezing and<br>thawing. Centrifuge product if not completely clear after standing at<br>room temperature. This product is stable for several weeks at 4° C as an<br>undiluted liquid. Dilute only prior to immediate use.Storage Temperature:4-8°C  | Antibody Specificity: IgG (H+L)                 | monospecific antiserum by a multi-step process which includes<br>delipidation, salt fractionation, ion exchange chromatography and pepsin<br>digestion followed by chromatographic separation and extensive dialysis<br>against the buffer stated above. Assay by immunoelectrophoresis<br>resulted in a single precipitin arc against anti-Rabbit Serum, Rat IgG and<br>Rat Serum. No reaction was observed against anti-Rabbit IgG F(c) or anti- |   |  |  |
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| 0.15 M Sodium Chloride, pH 7.2       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.         Stabilizer:       None         Preservatives:       None         Storage Temperature:       4-8°C   | Formulation, Transport and Storage              |  |   |  |  |
|  | 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None | contents and freeze at -2<br>thawing. Centrifuge proc<br>room temperature. This  | 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 |  |  |
| Application Recommendation   |   | Storage Temperature: 4-8°C   |   |  |  |
|  | Application Recommendation                      | I  |   |  |  |

| This product is for In Vitro experimental use only. Not for Therapeutic or Diagnostic use. |  |   |              |                              |  |  |
|--|--|---|--------------|------------------------------|--|--|
| Manufacturer   |  |   |              | Management<br>System         |  |  |
| BIOZOL<br>Diagnostica Vertrieb GmbH<br>Leipziger Straße 4                                  | Phone +49 (89) 3799 666 6<br>Fax +49 (89) 3799 666 99<br>E-mail info@biozol.de | www.dianova.com<br>Your Secondary Antibody Portal | TÜVRheinland | ISO 9001:2015                |  |  |
| 85386 Eching   | www.biozol.de  | Powered by BIOZOL                                 | ZERTIFIZIERT | www.tuv.com<br>ID 9000019771 |  |  |



#### Product Datasheet / Instruction for use



- Application: ELISA, Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections), Immunohistochemistry (frozen sections), Western Blot
- **Dilution:** ELISA 1:20.000 - 1:100.000, Immunohistochemistry (IHC) 1:1,000 - 1:5,000, Western Blot (WB) 1:2.000 -1:10.000

#### **Application Note:**

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  $1 \times 10E6$  cells in flow cytometry is approximately 1.0  $\mu$ g of antibody. 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**

F(ab')2 Antibody was generated by enzymatic cleavage and subsequent separation from the Fc fragment. Because of their smaller size, F(ab)2 fragments offer several advantages over intact antibodies for use in certain immunochemical techniques and experimental applications. F(ab)2 fragments penetrate into tissue samples and show better antigen recognition and signal generation in IHC. F(ab)2 fragments lack the Fc region and therefore do not bind Fc receptors which effectively lowers background staining. F(ab')2 Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays.

### **Safety Information**

The product contains no hazardous constituents. 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.

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

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

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