

**Datasheet for 212-4301-0100****Rat Serum Antibody Peroxidase Conjugated****Overview**

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|----------------------|------------------------------------------------------------------------|
| <b>Description:</b>  | Anti-Rat Serum (RABBIT) Antibody Peroxidase Conjugated - 212-4301-0100 |
| <b>Item No.:</b>     | 212-4301-0100                                                          |
| <b>Size:</b>         | 100 µg                                                                 |
| <b>Applications:</b> | Dot Blot, ELISA                                                        |
| <b>Reactivity:</b>   | Rat                                                                    |
| <b>Host Species:</b> | Rabbit                                                                 |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Background:</b>   | Anti-Rat serum antibody detects rat serum proteins. Serum proteins are those proteins remaining in portion of plasma after coagulation of blood, during which process the plasma protein fibrinogen is converted to fibrin and remains behind in the clot. Anti-Rat serum antibody is ideal for investigators involved in Cell Signaling, Cellular Biology and Signal Transduction research. |
| <b>Synonyms:</b>     | rabbit anti-Rat Serum Antibody Peroxidase Conjugated, rabbit anti-Rat Serum HRP conjugated Antibody                                                                                                                                                                                                                                                                                          |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Conjugate:</b>    | Peroxidase (HRP)                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                          |

**Target Details**

|                        |                    |
|------------------------|--------------------|
| <b>Reactivity:</b>     | Rat                |
| <b>Immunogen Type:</b> | Native Protein     |
| <b>Immunogen:</b>      | Rat Serum Proteins |

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| <b>Purity/Specificity:</b> | Anti-Rat serum is an IgG fraction antibody purified from polyspecific 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 and anti-Rabbit Serum. |
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## Application Details

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| <b>Tested Applications:</b> | Dot Blot, ELISA                                                                                                                                                                                                                     |
| <b>Application Note:</b>    | Anti-Rat serum Peroxidase Conjugated antibody has been tested by Dot blot and ELISA and is suitable for western blotting, IP and for ELISA. Researchers should determine optimal titers for applications that are not stated below. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                     |
| <b>ELISA:</b>               | User Optimized                                                                                                                                                                                                                      |
| <b>IHC:</b>                 | User Optimized                                                                                                                                                                                                                      |
| <b>WB:</b>                  | User Optimized                                                                                                                                                                                                                      |

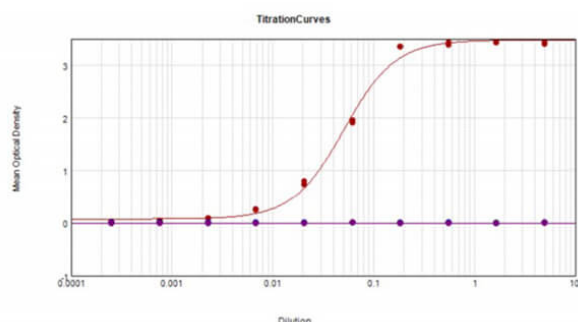
## Formulation

|                               |                                                            |
|-------------------------------|------------------------------------------------------------|
| <b>Physical State:</b>        | Lyophilized                                                |
| <b>Concentration:</b>         | 1.0 mg/mL by UV absorbance at 280 nm                       |
| <b>Buffer:</b>                | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| <b>Preservative:</b>          | 0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!   |
| <b>Stabilizer:</b>            | 10 mg/ml Polyethylene Glycol (PEG-8000)                    |
| <b>Reconstitution Volume:</b> | 100 $\mu$ L                                                |
| <b>Reconstitution Buffer:</b> | Restore with deionized water (or equivalent)               |

## Shipping & Handling

|                            |                                                                                                                                                                                                                                                                                                                                                 |
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| <b>Shipping Condition:</b> | Ambient                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage Condition:</b>  | 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>Expiration:</b>         | Expiration date is one (1) year from date of receipt.                                                                                                                                                                                                                                                                                           |

## Images



## ELISA

ELISA Results of Rabbit Anti-Rat Serum Antibody Peroxidase Conjugated. Each well was coated in duplicate with 1.0  $\mu$ g of Rat IgG (p/n 012-0102) [Red Line]. The working dilution is 20,000. The starting dilution of antibody was 5 $\mu$ g/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using TMB substrate (p/n TMBE-1000).

## Disclaimer

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