

**Datasheet for 206-4301****Guinea Pig Serum Antibody Peroxidase Conjugated****Overview**

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| <b>Description:</b>  | Anti-Guinea Pig Serum (RABBIT) Antibody Peroxidase Conjugated (BULK ORDER) - 206-4301 |
| <b>Item No.:</b>     | 206-4301                                                                              |
| <b>Size:</b>         | 20 mg                                                                                 |
| <b>Applications:</b> | Dot Blot                                                                              |
| <b>Reactivity:</b>   | Guinea Pig                                                                            |
| <b>Host Species:</b> | Rabbit                                                                                |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <b>Background:</b>   | Anti-Guinea Pig Peroxidase antibody detects guinea pig 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-Guinea Pig Serum antibody is ideal for investigators involved in Cell Signaling, Cellular Biology and Signal Transduction research. |
| <b>Synonyms:</b>     | HRP                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Conjugate:</b>    | Peroxidase (HRP)                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                    |

**Target Details**

|                        |                           |
|------------------------|---------------------------|
| <b>Reactivity:</b>     | Guinea Pig                |
| <b>Immunogen Type:</b> | Native Protein            |
| <b>Immunogen:</b>      | Guinea Pig serum proteins |

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Purity/Specificity:</b> | Guinea Pig 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. Multiple precipitin arcs were observed against Guinea Pig Serum. |
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## Application Details

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| <b>Tested Applications:</b> | Dot Blot                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Application Note:</b>    | Anti-Guinea Pig Serum Peroxidase Conjugated has been tested by dot blot and is suitable to be assayed against 1.0 ug of Guinea Pig 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 1:100,000 of the reconstitution concentration is suggested for this product. |
| <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 Optimize                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>WB:</b>                  | User Optimized                                                                                                                                                                                                                                                                                                                                                                                                          |

## Formulation

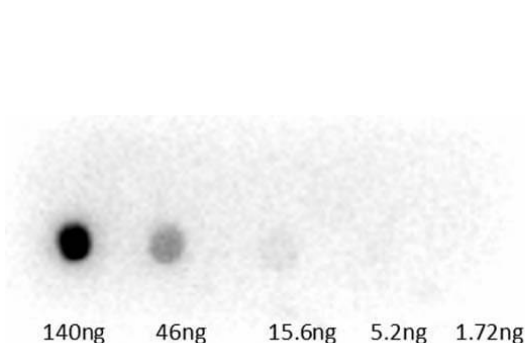
|                               |                                                                        |
|-------------------------------|------------------------------------------------------------------------|
| <b>Physical State:</b>        | Lyophilized                                                            |
| <b>Concentration:</b>         | 10 mg/mL by UV absorbance at 280 nm                                    |
| <b>Buffer:</b>                | 0.01 M Sodium 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 Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |
| <b>Reconstitution Volume:</b> | 2.0 mL                                                                 |
| <b>Reconstitution Buffer:</b> | Restore with deionized water (or equivalent)                           |

## Shipping & Handling

|                            |         |
|----------------------------|---------|
| <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



### Dot Blot

Dot Blot of Rabbit Anti-Guinea Pig Peroxidase Conjugated Antibody. Lane 1: 140ng. Lane 2: 46ng. Lane 3: 15.6ng. Lane 4: 5.2ng. Lane 5: 1.72ng. Secondary Antibody: Rb-a-Guinea Pig HRP 206-4301 at 1µg/mL. Blocking Buffer: BlockOut MB-073 for 30 min at RT.

## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.