

## Product Datasheet

# Rat IgG (H&L) Antibody Alkaline Phosphatase Conjugated Pre-Adsorbed (orb347792)

|                            |  |
|----------------------------|--|
| <b>Description</b>         | Rat IgG (H&L) antibody (Alkaline Phosphatase)  |
| <b>Species/Host</b>        | Goat   |
| <b>Reactivity</b>          | Rat  |
| <b>Conjugation</b>         | AP   |
| <b>Tested Applications</b> | DOT, ELISA, IHC, WB  |
| <b>Immunogen</b>           | Anti-Rat IgG (H&L) was produced by repeated immunization with Rat IgG whole molecule in goat.  |
| <b>Preservatives</b>       | 0.1% (w/v) Sodium Azide  |
| <b>Form/Appearance</b>     | Liquid (sterile filtered)  |
| <b>Concentration</b>       | 1.0 mg/mL  |
| <b>Storage</b>             | Store vial at 4° C before opening. DO NOT FREEZE. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity. |
| <b>Note</b>                | For research use only  |
| <b>Application notes</b>   | Anti-Rat IgG Alkaline Phosphatase has been tested by ELISA and dot blot and is suitable for immunoblotting (western or dot blot), ELISA, and immunohistochemistry assays requiring lot-to-lot consistency.                                     |
| <b>Isotype</b>             | IgG  |
| <b>Clonality</b>           | Polyclonal   |

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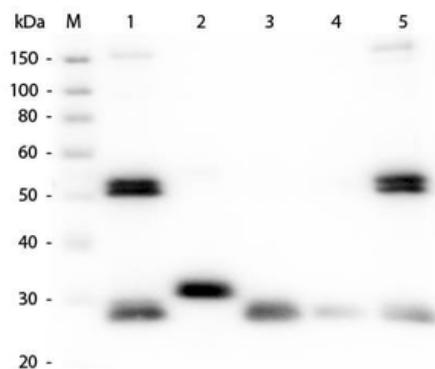
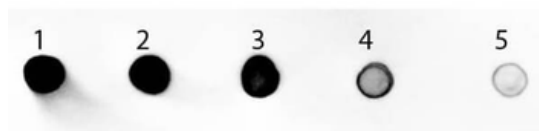
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**Purity** This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rat IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Alkaline Phosphatase (calf intestine), anti-Goat Serum, Rat IgG and Rat Serum. No reaction was observed against Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Rabbit and Sheep Serum Proteins.

**Dilution Range** ELISA: 1:1,000 - 1:13,000, IHC: 1:200 - 1:1,000, WB: 1:500 - 1:1,500

**Expiration Date** 12 months from date of receipt.

Dot Blot of Goat anti-Rat IgG (H&L) Antibody Alkaline Phosphatase Conjugated Pre-Adsorbed. Antigen: Rat IgG. Blot loaded at 3 fold dilution: 1. 100 ng, 2. 33.3 ng, 3. 11.1 ng, 4. 3.70 ng, 5. 1.23 ng. Antibody: Goat anti-Rat IgG (H&L) Antibody Alkaline Phosphatase Conjugated Pre-Adsorbed 1:1000 in orb348637 for 60 min at RT. Alkaline Phosphatase Substrate Neat for 30 seconds at RT. Block: orb348637 for 60 min at RT.



Western Blot of Anti-Rat IgG (H&L) (GOAT) Antibody (Min X Bv Ch Gt GP Ham Hs Hu Ms Rb & Sh Serum Proteins) (p/n orb347785). Lane M: 3  $\mu$ l Molecular Ladder. Lane 1: Rat IgG whole molecule (p/n orb2652744). Lane 2: Rat IgG F(c) Fragment (p/n orb346338). Lane 3: Rat IgG Fab Fragment (p/n orb346340). Lane 4: Rat IgM Whole Molecule (p/n orb346341). Lane 5: Rat Serum. All samples were reduced. Load: 50 ng per lane. Block: orb348637 for 30 min at RT. Primary Antibody: Anti-Rat IgG (H&L) (GOAT) Antibody (Min X Bv Ch Gt GP Ham Hs Hu Ms Rb & Sh Serum Proteins) (p/n orb347785) 1:1000 for 60 min at RT. Secondary Antibody: Anti-Goat IgG (DONKEY) Peroxidase Conjugated Antibody 1:40000 in orb348637 for 30 min at RT. Predicted/Observed Size: 25 and 55 kDa for Rat IgG and Serum, 25 kDa for F(c) and Fab, 78 and 25 kDa for IgM. Rat F(c) migrates slightly higher.

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