

## Product Datasheet

# Human IgG (H&L) Antibody Peroxidase Conjugated (orb347222)

<b>Catalog Number</b>	orb347222
<b>Category</b>	Antibodies
<b>Description</b>	Human IgG (H&L) antibody (Peroxidase)
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Goat
<b>Isotype</b>	IgG
<b>Conjugation</b>	HRP
<b>Reactivity</b>	Human
<b>Form/Appearance</b>	Lyophilized
<b>Concentration</b>	2.0 mg/mL
<b>Buffer/Preservatives</b>	Preservative: 0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!. Stabilizer: 10 mg/mL Bovine Serum Albumin (rAlbumin) - Immunoglobulin and Protease free; Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Purity</b>	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Human 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-Peroxidase, anti-Goat Serum, Human IgG and Human Serum.
<b>Immunogen</b>	Anti-Human IgG (H&L) was produced by repeated immunization with human IgG whole molecule in goat.

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<b>Tested applications</b>	DOT, ELISA, IHC, WB
<b>Dilution range</b>	ELISA: 1:20,000 - 1:80,000, IHC: 1:1,000 - 1:5,000, WB: 1:5,000 - 1:25,000
<b>Application notes</b>	Anti-Human IgG (H&L) peroxidase conjugated antibody has been tested by dot blot and ELISA and is suitable for immunoblotting (western or dot blot), ELISA, immunoperoxidase electron microscopy and immunohistochemistry as well as other peroxidase-antibody based enzymatic assays requiring lot-to-lot consistency. Reconstitution Buffer: Restore with deionized water (or equivalent). Reconstitution Volume: 1.0 mL
<b>Antibody Type</b>	Secondary Antibody
<b>Storage</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>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

100 ng    33.3 ng    11.1 ng    3.70 ng    1.23 ng



Dot Blot of Human IgG. Lane 1: 100 ng. Lane 2: 33.3 ng. Lane 3: 11.1 ng. Lane 4: 3.7 ng. Lane 5: 1.23 ng. Secondary Antibody: orb347222 HRP Gt-a-Hu IgG 1:1000. Blocking Buffer: BlockOut orb348644 for 1 hour RT.

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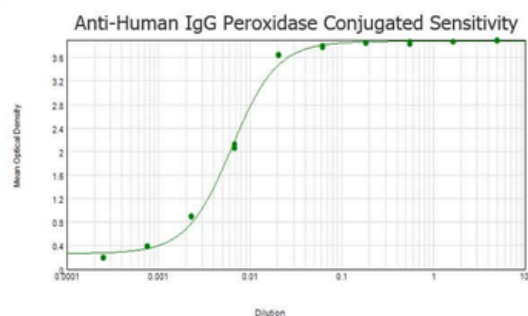
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ELISA results of purified Goat anti-Human IgG Antibody Peroxidase conjugated tested against BSA-conjugated peptide of immunizing peptide. Each well was coated in duplicate with 1.0  $\mu\text{g}$  of Human IgG (p/n orb346219). The starting dilution of antibody was 5  $\mu\text{g}/\text{ml}$  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 3% fish gelatin as blocking buffer and TMB substrate p/n orb348651.

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