

## Product Datasheet

# Human IgG (H&L) Secondary Antibody Alkaline Phosphatase Conjugated Pre-Adsorbed (orb347195)

<b>Catalog Number</b>	orb347195
<b>Category</b>	Antibodies
<b>Description</b>	Human IgG (H&L) antibody (Alkaline Phosphatase)
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Goat
<b>Isotype</b>	IgG
<b>Conjugation</b>	AP
<b>Reactivity</b>	Human
<b>Form/Appearance</b>	Liquid (sterile filtered)
<b>Concentration</b>	1 mg/mL
<b>Buffer/Preservatives</b>	Preservative: 0.1% (w/v) Sodium Azide. Stabilizer: 10 mg/mL Bovine Serum Albumin (rAlbumin) - Immunoglobulin and Protease free; Buffer: 0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0

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<b>Purity</b>	Secondary Antibody 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-Alkaline Phosphatase (calf intestine), anti-Goat Serum, Human IgG and Human Serum. No reaction was observed against Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Mouse, Rabbit, Rat and Sheep Serum Proteins.
<b>Immunogen</b>	Human IgG whole molecule
<b>Tested applications</b>	DOT, ELISA, IHC, WB
<b>Dilution range</b>	ELISA: 1:10,000 - 1:30,000, IHC: 1:200 - 1:1,000, WB: 1:500 - 1:2,500
<b>Application notes</b>	Anti-Human IgG Alkaline Phosphatase conjugate has been tested by ELISA and dot blot and is suitable for immunoblotting (western or dot blot), ELISA, immunoelectron microscopy and immunohistochemistry as well as other antibody-based enzymatic assays requiring lot-to-lot consistency. 0 moles Alkaline Phosphatase (AP) per mole
<b>Antibody Type</b>	Secondary Antibody
<b>Storage</b>	Store secondary antibody at 4° C before opening. DO NOT FREEZE. Alkaline Phosphatase Conjugated Secondary Antibodies are 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>Expiration Date</b>	12 months from date of receipt.

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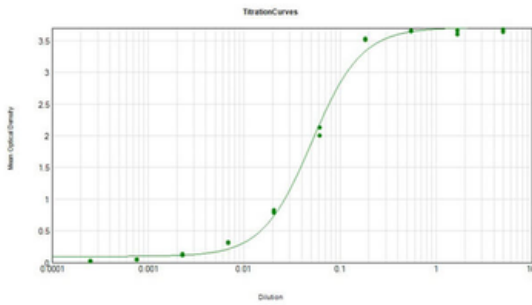
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ELISA Results of Goat Anti-Human IgG Antibody Alkaline Phosphatase Conjugated (Min X Bv Ch Gt GP Ham Hs Ms Rb Rt Sh Serum Proteins) tested against purified Human IgG Alk Phos. Each well was coated in duplicate with 1.0  $\mu\text{g}$  of Human IgG (p/n orb346219). The working dilution is 1:19600. 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 ELISA Alkaline Phosphatase Substrate Buffer and NPP Working Buffer.

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