

## Product Datasheet

# Mouse IgG (H&L) Antibody Peroxidase Conjugated (orb347427)

<b>Catalog Number</b>	orb347427
<b>Category</b>	Antibodies
<b>Description</b>	Mouse 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>	Mouse
<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>	MOUSE IgG (H&L) Antibody Peroxidase Conjugated was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse 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, Mouse IgG and Mouse Serum.

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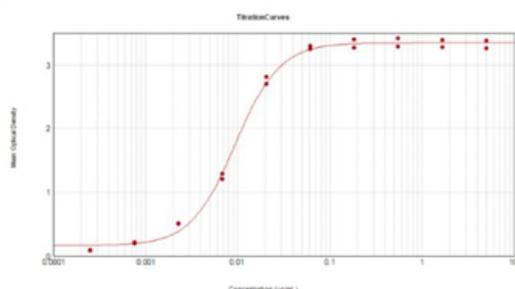
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<b>Immunogen</b>	Anti-Mouse IgG whole molecule was produced by repeated immunization with Mouse IgG whole molecule in goat.
<b>Tested applications</b>	ELISA, IHC, WB
<b>Dilution range</b>	ELISA: 1:50,000 - 1:100,000, IHC: 1:500 - 1:2,500, WB: 1:2,000 - 1:10,000
<b>Application notes</b>	Anti-Mouse secondary antibody conjugated to horseradish peroxidase (HRP) generated in goat detects specifically Mouse IgG whole molecule. This anti-Mouse HRP antibody has been tested by ELISA and western blot and is suitable for ELISA, Sandwich ELISA, titration assays, western-blot, immunoprecipitation, Immunohistochemistry as well as other HRP antibody based assays. Specific conditions for reactivity and signal detection should be optimized by the end user. 0.45 moles Peroxidase (HRP) per mole. Reconstitution Buffer: Restore with deionized water (or equivalent). Reconstitution Volume: 1.0 mL
<b>Antibody Type</b>	Secondary Antibody
<b>Storage</b>	Store HRP Conjugated Mouse Secondary Antibody 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.



ELISA Results of Goat Anti-Mouse IgG Peroxidase Conjugated Antibody tested against purified Mouse IgG protein. Each well was coated in duplicate with 10 µg of Mouse IgG (p/n orb2652749). The starting dilution of antibody was 5 µg/ml and the X-axis represents the Log10 of a 3-fold dilution. The titer is 1:106000. 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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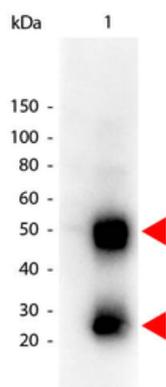
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Western Blot of Peroxidase conjugated Goat anti-Mouse IgG antibody. Lane 1: Mouse IgG. Lane 2: none. Load: 50 ng per lane. Primary antibody: none. Secondary antibody: Peroxidase goat secondary antibody at 1:1000 for 60 min at RT. Block: orb348637 30 min at RT. Predicted/Observed size: 50 kDa, 25 kDa for Mouse IgG. Other band(s): none.

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