

Product Datasheet

Mouse IgG (H&L) Secondary Antibody Peroxidase Conjugated (orb347544)

Catalog Number	orb347544
Category	Antibodies
Description	Mouse IgG (H&L) antibody (Peroxidase)
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	HRP
Reactivity	Mouse
Form/Appearance	Lyophilized
Concentration	2.0 mg/mL
Buffer/Preservatives	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
Purity	HRP Secondary Antibody Conjugate was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG coupled to agarose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum, Mouse IgG and Mouse Serum.
Immunogen	Mouse IgG whole molecule
Tested applications	ELISA, IHC, WB

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Dilution range ELISA: 1:50,000 - 1:300,000, IHC: 1:500 - 1:2,500, WB: 1:10,000 - 1:30,000

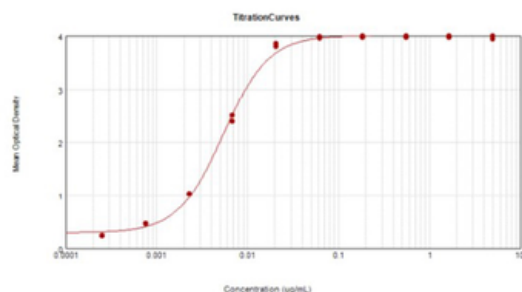
Application notes Anti-Mouse secondary antibody conjugated to horseradish peroxidase (HRP) generated in rabbit detects specifically Mouse IgG whole molecule. Anti-Mouse IgG peroxidase antibody has been tested by ELISA and western blot and is suitable for ELISA, Sandwich ELISA, titration assays, western-blot, immunoprecipitation, Immunohistochemistry as well as other HRP antibody based assays. Specific conditions for reactivity and signal detection should be optimized by the end user.

Antibody Type Secondary Antibody

Storage Store mouse secondary antibody conjugate at 4° C prior to restoration. For extended storage aliquot antibody 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.

Note For research use only

Expiration Date 12 months from date of receipt.



ELISA Results of Rabbit Anti-Mouse IgG Peroxidase 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 1:185000. 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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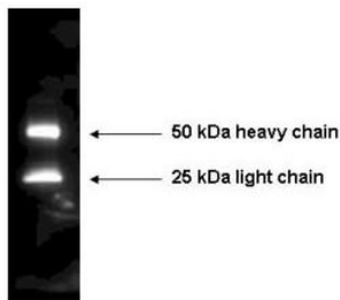
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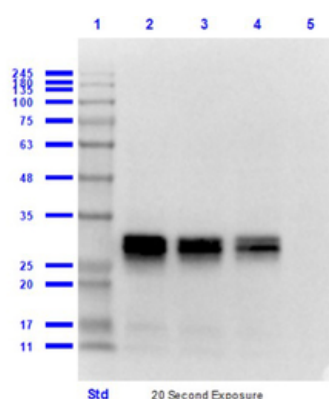
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Western Blot of Biorbyt's Anti-Mouse IgG Antibody Peroxidase Conjugated detecting mouse IgG. Mouse IgG (1.0 mg) was separated on a 4-20% gradient gel and then transferred to Whatman Protran BA 85 nitrocellulose (0.45 μ m pore size), and blocked with 5% BLOTTO (p/n orb348624) o/n at 4°C. The membrane was then probed with a 1:2500 dilution of HRP Rb-a-Mouse IgG [H&L] (p/n orb347544) for 45 min at RT.



Western blot using Rabbit Anti-Mouse IgG Peroxidase Conjugated Antibody and Mouse Anti-GFP Antibody. Lane 1: Opal Prestained Molecular Weight Marker. Lane 2: HeLa WC Lysate + GFP protein (p/n orb348668 [10 μ g]/ p/n orb345957 [0.1 μ g]). Lane 3: HeLa WC Lysate + GFP protein [10 μ g/0.066 μ g]. Lane 4: HeLa WC Lysate + GFP protein [10 μ g/0.033 μ g]. Lane 5: HeLa Whole Cell Lysate (p/n orb348668) [10 μ g]. Primary Antibody: Anti-GFP at 1:1000 overnight at 2-8°C. Secondary Antibody: Rabbit Anti-Mouse IgG HRP (p/n orb347544) at 1:40000 for 30 mins at RT. Block: BlockOut Buffer (p/n orb348644) for 60 mins at RT. Expected MW: ~27kDa.

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