

R1253HRP**Polyclonal Antibody to Mouse IgG (H+L chain) - HRP**

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| Alternate names: | Mouse Immunoglobulin G |
| Quantity: | 2 mg |
| Concentration: | 2.0 mg/ml (by UV absorbance at 280nm) |
| Host: | Rabbit |
| Immunogen: | Mouse IgG whole molecule. |
| Format: | State: Lyophilized purified Ig fraction Purification: Immunoaffinity Chromatography using Mouse IgG coupled to agarose beads Buffer System: 0.02M Potassium Phosphate, 0.15M Sodium Chloride, pH 7.2 Preservatives: 0.01% (w/v) Gentamicin Sulfate Stabilizers: 10 mg/ml BSA (IgG and Protease free) Label: HRP – Horseradish Peroxidase Conjugation Chemistry: Periodate Reconstitution: Reconstitute with 1.0 ml of deionized water (or equivalent). |
| Applications: | 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. <u><i>Recommended Dilutions:</i></u> ELISA : 1:50,000 - 1:300,000 Western Blot : 1:10,000 - 1:30,000 Immunohistochemistry: 1:500 - 1:2,500 Other Dilution: User Optimized Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Molecular Weight: | 40,000 Da |
| Specificity: | Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum, Mouse IgG and Mouse Serum. |
| Storage: | Store vial at 2-8°C prior to restoration. Centrifuge product if not completely clear after standing at room temperature. This product is stable for one month at 2-8°C as an undiluted liquid. For extended storage aliquot and freeze at -20°C or below. Avoid cycles of freezing and thawing! Dilute only prior to immediate use! |
| Caution: | Do Not Add Sodium Azide. |
| General Readings: | 1. Farr & Nakane, J. Immunol. Methods 47; 129-144. 1981. (Conjugation). 2. Sone H, Kagawa Y. Pancreatic beta cell senescence contributes to the pathogenesis of type 2 diabetes in high-fat diet-induced diabetic mice. Diabetologia. 2005 Jan;48(1):58-67. Epub 2004 Dec 29. PubMed PMID: 15624098. |

Pictures:

Western Blot of 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 B501-0500) o/n at 4°C. The membrane was then probed with a 1/2,500 dilution of HRP Rabbit anti-Mouse IgG [H&L] R1253HRP for 45 min at RT. FemtoMax Super Sensitive Chemiluminescent HRP Substrate Was added and the image was captured using a BioSpectrum Imaging System with a BioChemi 500 -28C cooled 4.0 Megapixel CCD Camera from UVP (www.uvp.com, Upland, CA). Binning: 5X5. Exposure time: 2 min. Aperture open. No emission or excitation filters used.

