

Datasheet for ABIN1043953

Donkey anti-Guinea Pig IgG (Heavy & Light Chain) Antibody (HRP) - Preadsorbed



[Go to Product page](#)

1 Image

Overview

| | |
|----------------------|------------------------------|
| Quantity: | 1 mg |
| Target: | IgG |
| Binding Specificity: | Heavy & Light Chain |
| Reactivity: | Guinea Pig |
| Host: | Donkey |
| Clonality: | Polyclonal |
| Conjugate: | HRP |
| Application: | ELISA, Western Blotting (WB) |

Product Details

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| Purpose: | Guinea Pig IgG (H&L) Antibody Peroxidase Conjugated Pre-Adsorbed |
| Immunogen: | Optional[Immunogen]: Guinea Pig IgG whole molecule |
| Isotype: | IgG |
| Cross-Reactivity (Details): | Minimal crossreactivity against Bv Ch Gt Ham Hs Hu Ms Rb Rt & Sh Serum Proteins Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-peroxidase, anti-Donkey Serum, Guinea Pig IgG and Guinea Pig Serum. No reaction was observed against Bovine, Chicken, Goat, Hamster, Horse, Human, Mouse, Rabbit, Rat and Sheep Serum Proteins. This antibody will react with heavy chains of Guinea Pig IgG and with light chains of most Guinea Pig immunoglobulins. |
| Characteristics: | Anti-Guinea Pig IgG Fluorescein Antibody generated in donkey detects guinea pig IgG. |
| Purification: | Preadsorption: Pre-Adsorbed |

Target Details

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| Target: | IgG |
| Abstract: | IgG Products |
| Target Type: | Antibody |
| Background: | <p>Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75 % of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the compliment cascade, and opsonization for phagocytosis. The whole IgG molecule possesses both the F(c) region, recognized by high-affinity Fc receptor proteins, as well as the F(ab) region possessing the epitope-recognition site. Both heavy and light chains of the antibody molecule are present. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition.</p> |

Application Details

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| Application Notes: | <p>Application Note: Anti-Guinea Pig IgG Peroxidase conjugate has been tested by ELISA 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. Western Blot Dilution: 1:1,000 - 1:5,000 ELISA Dilution: 1:10,000 - 1:50,000 Other: User Optimized</p> |
| Restrictions: | For Research Use only |

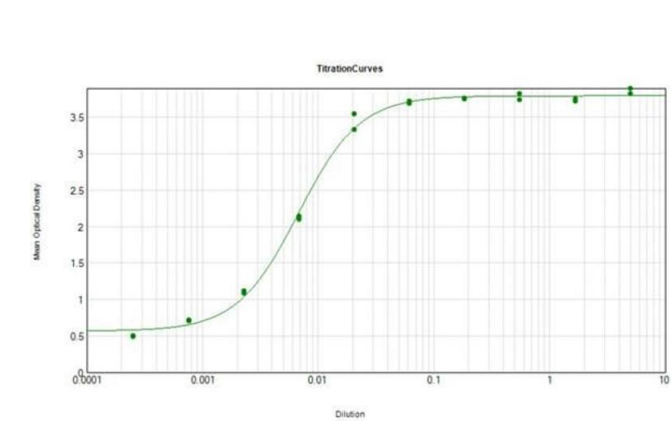
Handling

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| Format: | Lyophilized |
| Reconstitution: | Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 1.0 mL |
| Concentration: | 1.0 mg/mL |
| Buffer: | <p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free</p> <p>, Preservative: 0.01 % (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!</p> |
| Preservative: | Gentamicin sulfate |

Handling

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| Precaution of Use: | This product contains Gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | 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. |
| Expiry Date: | 12 months |

Images



ELISA

Image 1. ELISA Results of Donkey Anti-Guinea Pig IgG mx10 Antibody Peroxidase Conjugated. Each well was coated in duplicate with 1.0 µg of Guinea Pig IgG (p/n 006-0102). The working dilution is 1:147,000. The starting dilution of antibody was 5 µg/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 TMBE-1000 substrate.