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Datasheet for ABIN965171

Goat anti-Mouse IgG (Heavy & Light Chain) Antibody (HRP) - Preadsorbed



Publications G

Overview

Images

| Quantity: | 500 μg |
|----------------------|---|
| Target: | IgG |
| Binding Specificity: | Heavy & Light Chain |
| Reactivity: | Mouse |
| Host: | Goat |
| Clonality: | Polyclonal |
| Conjugate: | HRP |
| Application: | Immunoassay (IA) |
| | |
| Product Details | |
| Immunogen: | Anti-Mouse IgG was produced by repeated immunization with Mouse IgG whole molecule in |
| | goat. |
| | Immunogen Type: Native Protein |
| Fragment: | F(ab')2 fragment |

Specificity:

Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Goat Serum, Mouse IgG and Mouse Serum.

Characteristics:

F(ab')2 anti-Mouse IgG (H&L) peroxidase conjugated antibody generated in goat detects specifically mouse IgG (H&L). This secondary conjugated antibody anti-mouse is ideal for investigators who routinely perform titration assays, western-blot, immunoprecipitation and more generally immunoassays.

Purification:

Preadsorption: Solid phase absorption

Target Details

| Target: | IgG |
|---------------------|---|
| Abstract: | IgG Products |
| Target Type: | Antibody |
| Background: | Synonyms: F(ab')2 Mouse IgG (H&L) Antibody, Gt-a-F(ab')2 Mouse IgG(H&L) Peroxidase conjugated, F(ab')2 Mouse IgG(H&L) antibody in goat, F(ab')2 Mouse IgG (H&L) Peroxidase conjugated Secondary Antibody. |
| Application Details | |
| Application Notes: | F(ab') 2 anti-Mouse IgG (H&L) peroxidase conjugated antibody is suitable for highly specific immunological methods requiring extremely low background levels, lot-to-lot consistency, high titer and specificity. |
| Comment: | Post Translational Modification: Phosphorylation |
| Restrictions: | For Research Use only |
| Handling | |
| Format: | Lyophilized |
| Reconstitution: | Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 500 µL |
| Concentration: | 1.0 mg/mL |
| Buffer: | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |
| Preservative: | Gentamicin sulfate |
| Handling Advice: | Avoid repeated freezing and thawing. Dilute only prior to immediate use Centrifuge product if not completely clear after standing at room temperature. Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase. |
| Storage: | 4 °C/-20 °C |
| Storage Comment: | Store vial at 4 °C prior to restoration. For extended storage aliquot contents and freeze at -24 °C or below. This product is stable for several weeks at 4 °C as an undiluted liquid. |
| Expiry Date: | 12 months |

Product cited in:

Gingras, Raught, Gygi, Niedzwiecka, Miron, Burley, Polakiewicz, Wyslouch-Cieszynska, Aebersold, Sonenberg: "Hierarchical phosphorylation of the translation inhibitor 4E-BP1." in: Genes & development, Vol. 15, Issue 21, pp. 2852-64, (2001) (PubMed).

Images





kDa M 150 100 80 60 50 40 30 20

Western Blotting

Image 1. Western Blot of Goat anti-Fab2 Mouse IgG Antibody Peroxidase Conjugated Pre-Absorbed. Lane 1: Rabbit Serum. Lane 2: Rabbit Serum. Lane 3: Human Serum. Lane 4: Human Serum. Lane 5: Human IgG. Lane 6: Rat IgG. Lane 7: Bovine IgG. Lane 8: Horse IgG. Lane 9: Rabbit IgG. Lane 10: Mouse IgG. Load: Lane 1, 3 - 2 uL, Lane 2, 4 - 5 uL, Lanes 5 through 10 - 100 ng. Primary Antibody: none Secondary Antibody: Goat anti-Fab2 Mouse IgG Antibody Peroxidase Conjugated Pre-Absorbed at 1:5,000 for 1 HR at RT. Block: ABIN925618 for 30 min RT. Predicted/Observed size: 160 kDa for Mouse IgG.

Western Blotting

Image 2. Western Blot of Goat anti-Fab2 Mouse IgG Antibody Peroxidase Conjugated Pre-Absorbed. Lane 1: Rabbit Serum. Lane 2: Rabbit Serum. Lane 3: Human Serum. Lane 4: Human Serum. Lane 5: Human IgG. Lane 6: Rat IgG. Lane 7: Bovine IgG. Lane 8: Horse IgG. Lane 9: Rabbit IgG. Lane 10: Mouse IgG. Load: Lane 1, 3 - 2 uL, Lane 2, 4 - 5 uL, Lanes 5 through 10 - 100 ng. Primary Antibody: none Secondary Antibody: Goat anti-Fab2 Mouse IgG Antibody Peroxidase Conjugated Pre-Absorbed at 1:5,000 for 1 HR at Block: ABIN925618 for RT 30 min RT. Predicted/Observed size: 55, 25 kDa for Mouse IgG.