

Datasheet for ABIN965171

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

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Overview

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

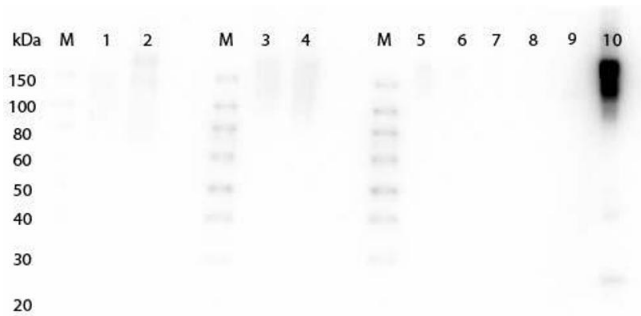
Format:	Lyophilized
Reconstitution:	Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 500 µL
Concentration:	1.0 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative:	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:

Nakayama, Sakashita, Nariai, Kato, Sinmyozu, Nakayama, Kyo, Urano, Nakayama: "Cancer-related transcription regulator protein NAC1 forms a protein complex with CARM1 for ovarian cancer progression." in: **Oncotarget**, Vol. 9, Issue 47, pp. 28408-28420, (2018) ([PubMed](#)).

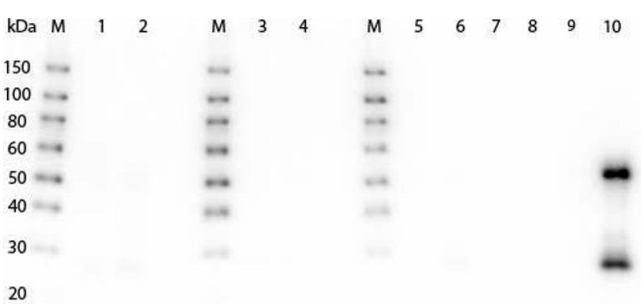
Tomiyama, Kamino, Fukamachi, Urano: "Precise epitope determination of the anti-vimentin monoclonal antibody V9." in: **Molecular medicine reports**, Vol. 16, Issue 4, pp. 3917-3921, (2018) ([PubMed](#)).

Images



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 at 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 RT. Block: ABIN925618 for 30 min at RT.

Predicted/Observed size: 55, 25 kDa for Mouse IgG.