



Datasheet for ABIN101776

## Rabbit anti-Mouse IgG (Heavy & Light Chain) Antibody



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1 Image

1 Publication

### Overview

Quantity:	2 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

### Product Details

Immunogen:	Immunogen: Mouse IgG whole molecule
Isotype:	IgG
Specificity:	IgG (H&L)
Characteristics:	Concentration Definition: by UV absorbance at 280 nm
Purification:	Anti-Mouse IgG (H&L) Antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG coupled to agarose. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum, Mouse IgG and Mouse Serum.
Sterility:	Sterile filtered

### Target Details

Target:	IgG
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## Target Details

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Abstract: [IgG Products](#)

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Target Type: Antibody

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Background: Synonyms: rabbit anti-Mouse IgG Antibody, rabbit anti-mouse IgG heavy and light chain antibody, rb anti-ms IgG heavy and light chain, Anti-Mouse Secondary Antibody

Background: Anti-Mouse IgG Antibody generated in rabbit detects reactivity to Mouse IgG heavy and light chains. 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 opsinization 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 the 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.

## Application Details

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Application Notes: Immunohistochemistry Dilution: 1:1,000 - 1:5,000

Application Note: Mouse IgG Secondary Antibodies are ideal for Western Blotting, Immunohistochemistry, ELISA as well as other antibody detection methods.

ELISA Dilution: 1:20,000 - 1:400,000

Western Blot Dilution: 1:2,000 - 1:10,000

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Comment: Secondary antibody reagents 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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 2.0 mg/mL

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Buffer: Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

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## Handling

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Stabilizer: None

Preservative: 0.01 % (w/v) Sodium Azide

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: 4 °C,-20 °C

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Expiry Date: 12 months

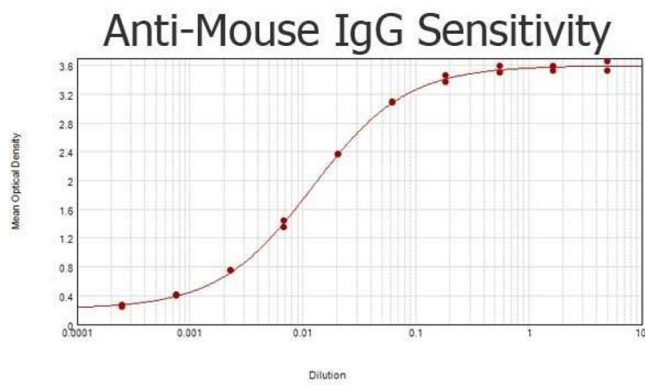
## Publications

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Product cited in: Klaric, Thomas, Dottori, Leong, Koblar, Lewis: "A reduction in Npas4 expression results in delayed neural differentiation of mouse embryonic stem cells." in: **Stem cell research & therapy** , Vol. 5, Issue 3, pp. 64, (2015) ([PubMed](#)).

Gawriluk, Ko, Hong, Christenson, Rucker: "Beclin-1 deficiency in the murine ovary results in the reduction of progesterone production to promote preterm labor." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 111, Issue 40, pp. E4194-203, (2015) ([PubMed](#)).

Tidjane, Hachem, Zaid, Merhi, Gaboury, Girolami, Couture: "A primary role for kinin B1 receptor in inflammation, organ damage, and lethal thrombosis in a rat model of septic shock in diabetes." in: **European journal of inflammation**, Vol. 13, Issue 1, pp. 40-52, (2015) ([PubMed](#)).



## ELISA

**Image 1.** ELISA results of purified Rabbit anti-Mouse IgG Antibody tested against purified Mouse IgG. Each well was coated in duplicate with 1.0  $\mu\text{g}$  of Mouse IgG. The starting dilution of antibody was 5  $\mu\text{g}/\text{ml}$  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 3% fish gelatin as blocking buffer, Goat anti-Rabbit IgG Antibody Peroxidase Conjugated (Min X Bv Ch Gt GP Ham Hs Hu Ms Rt & Sh Serum Proteins) and TMB substrate p/n TMBE-1000.