

Datasheet for ABIN6699090

**Goat anti-Rabbit IgG Antibody (Cy3) - Preadsorbed**[2 Images](#)[2 Publications](#)[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	IgG
Reactivity:	Rabbit
Host:	Goat
Clonality:	Polyclonal
Conjugate:	Cy3
Application:	Western Blotting (WB), Flow Cytometry (FACS), FLISA, Fluorescence Microscopy (FM)

## Product Details

Immunogen:	Immunogen: Rabbit IgG whole molecule
Isotype:	IgG
Characteristics:	<p>Synonyms: goat anti-Rabbit IgG CY3 Conjugated antibody, goat anti-Rabbit IgG antibody CY3 conjugation</p> <p>Background: Anti-Rabbit IgG CY3 Conjugated Antibody generated in goat detects rabbit IgG. 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 complement 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,</p>

## Product Details

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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. This Anti-Rabbit IgG (H&L) is conjugated to Cy3.

Purification: Preadsorption: Solid phase absorption

Labeling Ratio: 10.1

## Target Details

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Target: IgG

Abstract: [IgG Products](#)

Target Type: Antibody

## Application Details

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Application Notes: Application Note: Anti-Rabbit IgG (H&L) Antibody CY3 Conjugated Pre-adsorbed antibodies are designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.

FLISA Dilution: 1:10,000 - 1:50,000

Flow Cytometry Dilution: 1:500 - 1:2,500

Western Blot Dilution: User Optimized

IF Microscopy Dilution: 1:1,000 - 1:5,000

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Reconstitution Volume: 1.0 mL

Reconstitution Buffer: Restore with deionized water (or equivalent)

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

Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free  
0.01 % (w/v) Sodium Azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

## Handling

should be handled by trained staff only.

Storage: RT, 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.

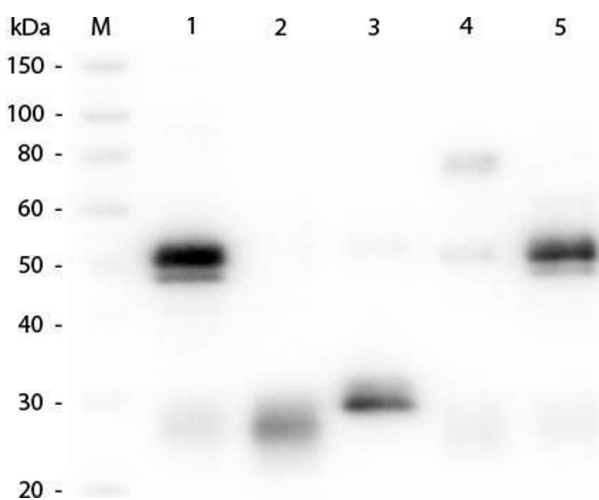
Expiry Date: 12 months

## Publications

Product cited in: Rubel, Stock, Ciner, Hiller, Girgert, Müller, Gross: "Antifibrotic, nephroprotective effects of paricalcitol versus calcitriol on top of ACE-inhibitor therapy in the COL4A3 knockout mouse model for progressive renal fibrosis." in: **Nephrology, dialysis, transplantation : official publication of the European Dialysis and Transplant Association - European Renal Association**, Vol. 29, Issue 5, pp. 1012-9, (2014) ([PubMed](#)).

Ou, Magico, King-Jones: "Nuclear receptor DHR4 controls the timing of steroid hormone pulses during Drosophila development." in: **PLoS biology**, Vol. 9, Issue 9, pp. e1001160, (2012) ([PubMed](#)).

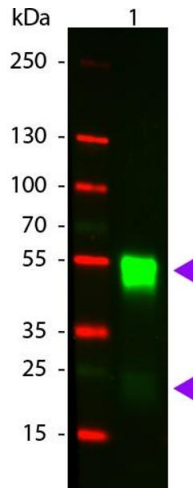
## Images



### Western Blotting

**Image 1.** Western Blot of Anti-Rabbit IgG (H&L) (GOAT) Antibody (Min X Bv, Ch, Gt, GP, Ham, Hs, Hu, Ms, Rt & Sh Serum Proteins). Lane M: 3 µl Molecular Ladder. Lane 1: Rabbit IgG whole molecule. Lane 2: Rabbit IgG F(ab) Fragment. Lane 3: Rabbit IgG F(c) Fragment. Lane 4: Rabbit IgM Whole Molecule. Lane 5: Normal Rabbit Serum. All samples were reduced. Load: 50 ng per lane. Block: ABIN925618 for 30 min at RT. Primary Antibody: Anti-Rabbit IgG (H&L) (GOAT) Antibody (Min X Bv, Ch, Gt, GP, Ham, Hs, Hu, Ms, Rt & Sh Serum Proteins) 1:1,000 for 60 min at RT. Secondary antibody: Anti-Goat IgG (DONKEY) Peroxidase

Conjugated Antibody 1:40,000 in ABIN925618 for 30 min at RT. Predicted/Observed Size: 25 and 50 kDa for Rabbit IgG and Serum, 25 kDa for F(c) and F(ab), 70 and 23 kDa for IgM. Rabbit F(c) migrates slightly higher.



### Western Blotting

**Image 2.** WB - RABBIT IgG (H&L) Antibody CY3 Conjugated Pre-adsorbed Western Blot of Goat anti-Rabbit IgG Pre-Absorbed Cy3 Conjugated Secondary Antibody. Lane 1: Rabbit IgG. Lane 2: None. Load: 50 ng per lane. Primary antibody: None. Secondary antibody: Cy3 goat secondary antibody at 1:1,000 for 60 min at RT. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 28 & 55 kDa, 28 & 55 kDa for Rabbit IgG. Other band(s): None.