Datasheet for ABIN6699089

Goat anti-Rabbit IgG Antibody (Cy2) - Preadsorbed

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Overview

Quantity:	1 mg
Target:	IgG
Reactivity:	Rabbit
Host:	Goat
Clonality:	Polyclonal
Conjugate:	Cy2
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS), FLISA, Fluorescence Microscopy (FM)

Product Details

Immunogen:	Immunogen: Rabbit IgG whole molecule
Isotype:	IgG
Characteristics:	Synonyms: Goat Anti Rabbit IgG Antibody CY2 Conjugation, Goat Anti-Rabbit IgG CY2 Conjugated Antibody Background: Anti-Rabbit IgG (H&L) Antibody CY2 Conjugated generated in goat detects reactivity to 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 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

Product Details

	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.
Purification:	Preadsorption: Solid phase absorption
Labeling Ratio:	4.5

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody

Application Details

Application Notes:	Application Note: Anti-Rabbit IgG (H&L) Conjugated Cy2 Secondary Antibody is 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 ELISA 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

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

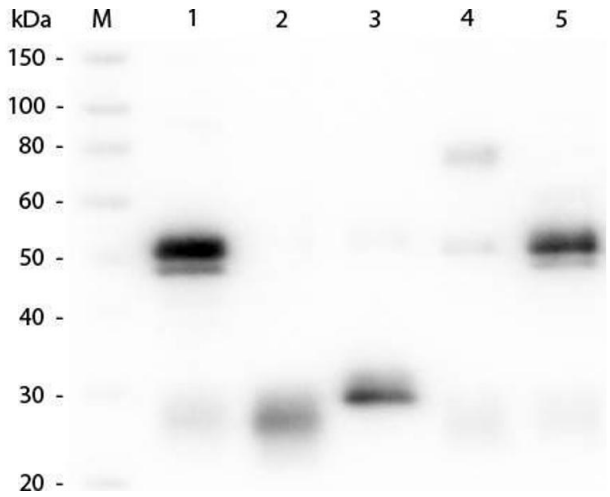
Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Store Cy2 Conjugated Secondary Antibody 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. Cy2 secondary antibody 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:	Renko, Tolonen, Rysä, Magga, Mustonen, Ruskoaho, Serpi: "SDF1 gradient associates with the distribution of c-Kit+ cardiac cells in the heart." in: **Scientific reports**, Vol. 8, Issue 1, pp. 1160, (2018) (PubMed). Venkatesan, Natarajan, Schwarz, Mayer, Alpadi, Magupalli, Sung, Schmitz: "Nicotinamide adenine dinucleotide-dependent binding of the neuronal Ca2+ sensor protein GCAP2 to photoreceptor synaptic ribbons." in: **The Journal of neuroscience : the official journal of the Society for Neuroscience**, Vol. 30, Issue 19, pp. 6559-76, (2010) (PubMed).

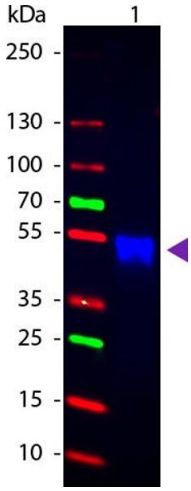
Images



Western Blotting

Image 1. Western Blot of Unconjugated 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 CY2 Conjugated Pre-Adsorbed Western blot of CY2 Conjugated Goat Anti-Rabbit IgG Pre-Adsorbed secondary antibody. Lane 1: Rabbit IgG. Lane 2: None. Load: 50 ng per lane. Primary antibody: None. Secondary antibody: CY2 goat secondary antibody at 1:1,000 for 60 min at RT. Blocking: ABIN925618 for 30 min at RT. Predicted/Observed size: 25 & 55 kDa, 25 & 55 kDa for Rabbit IgG. Other band(s): None.