Datasheet for ABIN6699093

Goat anti-Rabbit IgG Antibody (Cy5.5) - Preadsorbed

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Overview

Quantity:	1 mg
Target:	IgG
Reactivity:	Rabbit
Host:	Goat
Clonality:	Polyclonal
Conjugate:	Cy5.5
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS), FLISA, Fluorescence Microscopy (FM), Dot Blot (DB)

Product Details

Purpose:	Rabbit IgG (H&L) Antibody CY5.5 Conjugated Pre-Adsorbed
Immunogen:	Rabbit IgG whole molecule
Isotype:	IgG
Cross-Reactivity (Details):	Minimal crossreactivity against Bv Ch Gt GP Ham Hs Hu Ms Rt & Sh Serum Proteins
Characteristics:	Goat Anti Rabbit IgG Antibody CY5.5 Conjugation, Goat Anti-Rabbit IgG CY5.5 Conjugated Antibody,Anti-Rabbit IgG Antibody CY5.5 generated in goat detects rabbit IgG.
Purification:	Preadsorption: Pre-Adsorbed
Labeling Ratio:	8.2

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	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 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, 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 CY5.5.

Application Details

Application Notes:	FLISA_Dilution: 1:10,000 - 1:50,000 Flow_Cytometry_Dilution: 1:500 - 1:2,500 IF_Microscopy_Dilution: 1:1,000 - 1:5,000 Other: FLOW CYTOMETRY 1:500 - 1:2,500
Comment:	Anti-Rabbit IgG Antibody CY5.5 has been tested by ELISA, dot blot, and western blot and 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.
Restrictions:	For Research Use only

Handling

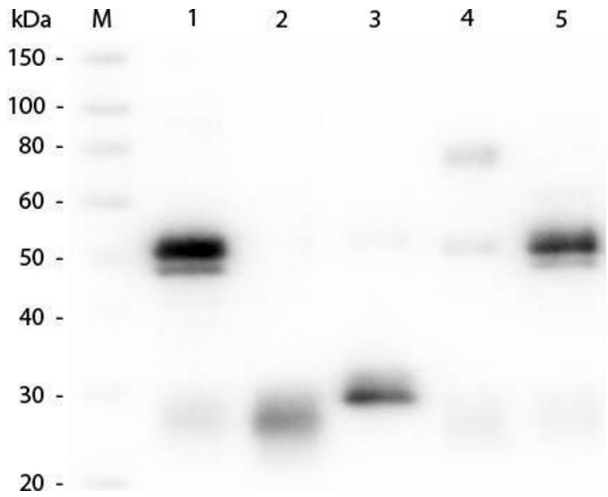
Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 1.0 mL Reconstitution Buffer: Restore with deionized water (or equivalent)
Concentration:	1.0 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum

Handling

	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 should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store 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. Conjugated 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:	Yamashita, Ancillotti, Rangel, Fontenele, Figueiredo-Freitas, Possidonio, Soares, Sorenson, Mermelstein, Nogueira: "Balance between S-nitrosylation and denitrosylation modulates myoblast proliferation independently of soluble guanylyl cyclase activation." in: **American journal of physiology. Cell physiology**, Vol. 313, Issue 1, pp. C11-C26, (2017) (PubMed). Heffron, Mandell: "Opposing roles of ERK and p38 MAP kinases in FGF2-induced astroglial process extension." in: **Molecular and cellular neurosciences**, Vol. 28, Issue 4, pp. 779-90, (2005) (PubMed).



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/Obsevered 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.