

Datasheet for ABIN6698988

Goat anti-Mouse IgG Antibody (Cy5.5) - Preadsorbed**1** Image**1** Publication[Go to Product page](#)

Overview

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

Product Details

Purpose:	Mouse IgG (H&L) Antibody CY5.5 Conjugated Pre-Adsorbed
Immunogen:	Mouse IgG whole molecule
Isotype:	IgG
Cross-Reactivity (Details):	Minimal crossreactivity against Bv Ch Gt GP Ham Hs Hu Rb Rt & Sh Serum Proteins
Characteristics:	Goat Anti-Mouse IgG (H&L) Antibody CY5.5 Conjugated Pre-Adsorbed, Goat Anti Mouse IgG Antibody CY5.5 Conjugated, Anti-Mouse IgG Cy5.5 Antibody generated in goat detects reactivity to Mouse IgG.
Purification:	Preadsorption: Pre-Adsorbed
Labeling Ratio:	4.3

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	<p>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 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.</p>

Application Details

Application Notes:	<p>FLISA_Dilution: 1:10,000 - 1:50,000</p> <p>Flow_Cytometry_Dilution: 1:500 - 1:2,500</p> <p>IF_Microscopy_Dilution: 1:1,000 - 1:5,000</p> <p>Other: FLOW CYTOMETRY 1:500 - 1:2,500</p>
Comment:	<p>Anti-Mouse IgG Cy5.5 Antibody has been tested by 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.</p> <p>Suggested Applications: IF</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	<p>Reconstitution Volume: 1.0 mL</p> <p>Reconstitution Buffer: Restore with deionized water (or equivalent)</p>
Concentration:	1.0 mg/mL

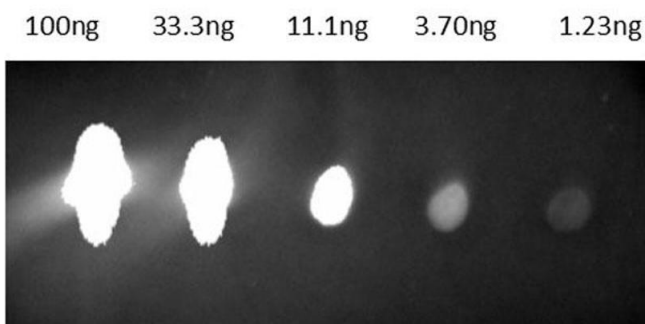
Handling

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, 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:	Kur-Piotrowska, Bukowska, Kopcewicz, Dietrich, Nynca, Slowinska, Gawronska-Kozak: "Foxn1 expression in keratinocytes is stimulated by hypoxia: further evidence of its role in skin wound healing." in: Scientific reports , Vol. 8, Issue 1, pp. 5425, (2018) (PubMed).
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Images



Dot Blot

Image 1. Dot Blot of Anti-Mouse IgG Antibody CY 5.5 Conjugate. Dot Blot results of Goat Anti-Mouse IgG Antibody CY 5.5 Conjugate. Dots are Mouse IgG: (1) 100ng, (2) 33.3ng, (3) 11.1ng, (4) 3.70ng, (5) 1.23ng. Primary Antibody: none. Secondary Antibody: Goat Anti-Mouse IgG Antibody CY5.5 Conjugate at 1ug/mL in ABIN925618 1hr RT. Imaged with BioRad ChemiDoc, Fluorescein filter.