

Datasheet for ABIN6699023

Goat anti-Mouse IgG (Heavy & Light Chain) Antibody (DyLight 649) - Preadsorbed[Go to Product page](#)[1 Image](#)[1 Publication](#)

Overview

Quantity:	100 µg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	DyLight 649
Application:	Western Blotting (WB), FLISA, Fluorescence Microscopy (FM)

Product Details

Purpose:	Goat Anti Mouse IgG (H&L) DyLight 649™ Conjugated Antibody
Immunogen:	Mouse IgG whole molecule
Isotype:	IgG
Specificity:	This antibody will react with heavy chains of mouse IgG and with light chains of most mouse immunoglobulins.
Characteristics:	<p>Synonyms: Goat Anti Mouse IgG (H&L) DyLight 649™ Conjugated Antibody Pre-Adsorbed, Goat Anti-Mouse IgG Antibody DyLight 649™ Conjugation</p> <p>Background: Anti-Mouse IgG DyLight 649 Antibody generated in goat detects reactivity to Mouse 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</p>

Product Details

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 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.

Purification: This product was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Mouse IgG and Mouse Serum. No reaction was observed against Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Rabbit, Rat and Sheep Serum Proteins.

Labeling Ratio: 2.7

Target Details

Target: IgG

Abstract: [IgG Products](#)

Target Type: Antibody

Application Details

Application Notes: Application Note: This product 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. The emission spectra for this DyLight™ conjugate match the principle output wavelengths of most common fluorescence instrumentation.

FLISA Dilution: >1:20,000

Western Blot Dilution: >1:10,000

IF Microscopy Dilution: >1:5,000

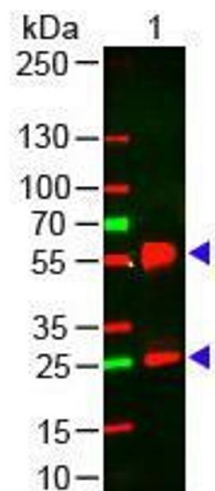
Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 100 µL 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 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:	Manning, Bundros, Trimmer: "Benefits and pitfalls of secondary antibodies: why choosing the right secondary is of primary importance." in: PLoS ONE , Vol. 7, Issue 6, pp. e38313, (2012) (PubMed).
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Western Blotting

Image 1. Western Blot of Goat anti-Mouse IgG (H&L) Antibody 649 Conjugated Pre-Adsorbed Lane 1: Mouse IgG Load: 50 ng per lane Secondary antibody: Mouse IgG (H&L) Antibody 649 Conjugated Pre-Adsorbed at 1:1,000 for 60 min at RT Block: ABIN925618 for 30 min at RT Predicted/Obsevered Size: 28 and 55 kDa/28 and 55 kDa