

Datasheet for ABIN6699014

Goat anti-Mouse IgG Antibody (DyLight 549) - Preadsorbed



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2 Images

1 Publication

Overview

Quantity:	100 µg
Target:	IgG
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	DyLight 549
Application:	Western Blotting (WB), FLISA, Fluorescence Microscopy (FM)

Product Details

Immunogen:	Immunogen: Mouse IgG whole molecule
Isotype:	IgG
Characteristics:	<p>Synonyms: Goat Anti Mouse IgG (H&L) DyLight 549™ Conjugated Antibody Pre-Adsorbed, Goat Anti-Mouse IgG Antibody DyLight 549™ Conjugation</p> <p>Background: Anti-Mouse IgG DyLight 549 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 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.</p> <p>Secondary Antibodies are available in a variety of formats and conjugate types. When choosing</p>

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: 3.8

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

Handling

should be handled by trained staff only.

Storage: RT,4 °C,-20 °C

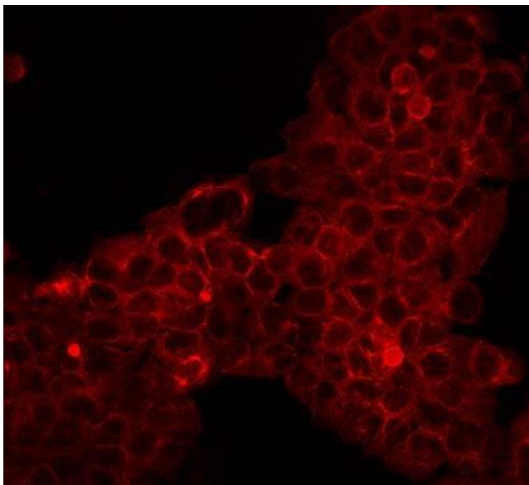
Storage Comment: Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiry Date: 12 months

Publications

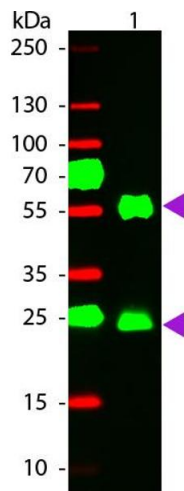
Product cited in: Manning, Bundros, Trimmer: "Benefits and pitfalls of secondary antibodies: why choosing the right secondary is of primary importance." in: **PLoS ONE**, Vol. 7, Issue 6, pp. e38313, (2012) ([PubMed](#)).

Images



Immunofluorescence

Image 1. Dylight 549 Goat Anti Mouse IgG antibody-Immunofluorescence Dylight 549 Goat Anti Mouse IgG antibody-Immunofluorescence Cell Type: A431 cells Fixation: 4% paraformaldehyde 10 min Permeabilization: 0.5% Triton X 30 min Primary Ab: 200-301-880 lot 28977 1:250 72 hours 4°C Secondary Ab: 610-142-121 lot 21290 1:1000 Overnight 4°C



Western Blotting

Image 2. WBM - Mouse IgG (H&L) Antibody 549 Conjugated Pre-Adsorbed Western Blot of 549 conjugated Goat anti-Mouse IgG Pre-adsorbed secondary antibody. Lane 1: Mouse IgG. Lane 2: none. Load: 50 ng per lane. Primary antibody: none. Secondary antibody: 549 goat secondary antibody at 1:1,000 for 60 min at RT. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 25 & 55 kDa, 25 & 55 kDa for Mouse IgG. Other band(s): none.