

Datasheet for ABIN6698865

**Rabbit anti-Goat IgG Antibody (DyLight 649)**[Go to Product page](#)**1** Publication

## Overview

Quantity:	100 µg
Target:	IgG
Reactivity:	Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	DyLight 649
Application:	Western Blotting (WB), FLISA, Fluorescence Microscopy (FM)

## Product Details

Purpose:	Goat IgG (H&L) Antibody DyLight™ 649 Conjugated
Immunogen:	Goat IgG, whole molecule
Isotype:	IgG
Characteristics:	rabbit anti-Goat IgG DyLight™ 649 Conjugated Antibody, rabbit anti-Goat IgG Antibody DyLight™ 649 Conjugation, Anti-Goat IgG DyLight Antibody generated in rabbit detects goat IgG.
Labeling Ratio:	2.8

## Target Details

Target:	IgG
Abstract:	<a href="#">IgG Products</a>
Target Type:	Antibody

## Target Details

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**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 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 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.

## Application Details

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**Application Notes:** FLISA\_Dilution: >1:20,000  
IF\_Microscopy\_Dilution: >1:5,000  
Western\_Blots\_Dilution: >1:10,000  
Other: User Optimized

**Comment:** Anti-Goat IgG DyLight649 Conjugated Antibody has been tested by western blot. 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.  
Suggested Applications: FC

**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

**Reconstitution:** Reconstitution Volume: 100 µL  
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 Albumin (BSA) - Immunoglobulin and Protease free, 0.01 % (w/v) Sodium Azide

## Handling

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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

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Product cited in: Isaac, Mauborgne, Grimaldi, Ade, Pohl, Limatola, Boucher, Demangel, Guenin-Macé: " Mycolactone displays anti-inflammatory effects on the nervous system." in: **PLoS neglected tropical diseases**, Vol. 11, Issue 11, pp. e0006058, (2017) ([PubMed](#)).