

Datasheet for ABIN6698860

**Donkey anti-Goat IgG Antibody (DyLight 549)**[Go to Product page](#)**1** Publication

## Overview

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

## Product Details

Purpose:	Goat IgG (H&L) Antibody DyLight™ 549 Conjugated
Immunogen:	Goat IgG, whole molecule
Isotype:	IgG
Characteristics:	donkey anti-Goat IgG Antibody DyLight™ 549 Conjugation, donkey anti-Goat IgG DyLight™ 549 Conjugated Antibody, Anti-Goat IgG DyLight Antibody generated in donkey detects goat IgG.
Labeling Ratio:	2.6

## 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.

## Application Details

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

**Comment:** Anti-Goat IgG DyLight 549 Antibody has been tested by dot 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: IF, Multiplex

**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

**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

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Storage: 4 °C,-20 °C

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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.

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Expiry Date: 12 months

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## Publications

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Product cited in: Onoda, Kawasaki, Tsukiyama, Takeda, Umezawa: "Perivascular Accumulation of  $\beta$ -Sheet-Rich Proteins in Offspring Brain following Maternal Exposure to Carbon Black Nanoparticles." in: **Frontiers in cellular neuroscience**, Vol. 11, pp. 92, (2017) ([PubMed](#)).