Datasheet for ABIN6698923

Goat anti-Human IgG Antibody (DyLight 549)

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Overview

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

Product Details

Purpose:	Human IgG (H&L) Antibody Dylight™ 549 Conjugated
Immunogen:	Human IgG, whole molecule
Isotype:	IgG
Characteristics:	goat anti-Human IgG DyLight™ 549 conjugated Antibody, goat anti-Human IgG Antibody DyLight™549 conjugation,Anti-Human IgG (H&L) DyLight 549 generated in goat detects human Immunoglobulin G (IgG), both heavy and light chains of the antibody molecule are present.
Labeling Ratio:	2.8

Target Details

Target:	IgG
Abstract:	IgG Products

Target Details

Target Type:	Antibody
Background:	It is a protein complex composed of four peptide chains - two identical heavy chains and two identical light chains arranged in a Y-shape typical of antibody monomers. Each IgG has two antigen binding sites. Representing approximately 75 % of serum immunoglobulins in humans, IgG is the most abundant antibody isotype found in the circulation. IgG molecules are synthesized and secreted by plasma B cells. 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

Application Notes:	FLISA_Dilution: >1:20,000 IF_Microscopy_Dilution: >1:5,000 Western_Blot_Dilution: >1:10,000 Other: User Optimized
Comment:	Anti-Human IgG (H&L) DyLight 549 has been tested by 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. The emission spectra for this DyLight™ conjugate match the principle output wavelengths of most common fluorescence instrumentation. Suggested Applications: Microarray
Restrictions:	For Research Use only

Handling

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

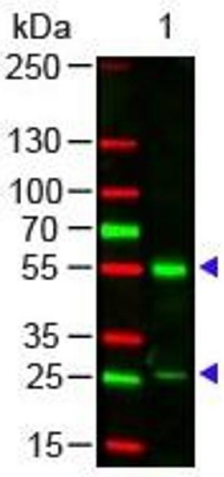
Handling

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:	Stork, Ellenberger, Ruprecht, Reindl, Beißbarth, Friede, Kümpfel, Gerdes, Gloth, Liman, Paul, Brück, Metz: "Antibody signatures in patients with histopathologically defined multiple sclerosis patterns." in: **Acta neuropathologica**, Vol. 139, Issue 3, pp. 547-564, (2021) (PubMed). Metz, Beißbarth, Ellenberger, Pache, Stork, Ringelstein, Aktas, Jarius, Wildemann, Dihazi, Friede, Brück, Ruprecht, Paul: "Serum peptide reactivities may distinguish neuromyelitis optica subgroups and multiple sclerosis." in: **Neurology(R) neuroimmunology & neuroinflammation**, Vol. 3, Issue 2, pp. e204, (2016) (PubMed).

Images



Western Blotting

Image 1. Human IgG (H&L) Antibody 549 Conjugated Western Blot. Western Blot of Goat anti-Human IgG Antibody 549 Conjugated Lane 1: Human IgG Load: 50 ng per lane Secondary antibody: Human IgG (H&L) Antibody 549 Conjugated at 1:1,000 for 60 min at RT Block: ABIN925618 for 30 min at RT Predicted/Observed size: 55 and 28 kDa, 55 and 28 kDa