

Datasheet for ABIN6699116

Sheep anti-Rabbit IgG Antibody (DyLight 680) - Preadsorbed[1 Image](#)[1 Publication](#)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	IgG
Reactivity:	Rabbit
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	DyLight 680
Application:	Western Blotting (WB), FLISA, Fluorescence Microscopy (FM)

Product Details

Purpose:	Rabbit IgG (H&L) Antibody DyLight™ 680 Conjugated Pre-Adsorbed
Immunogen:	Rabbit IgG whole molecule
Isotype:	IgG
Cross-Reactivity (Details):	Minimal crossreactivity against Bv Ch Gt GP Hs Hu Ms Rt & Sh Serum Proteins
Characteristics:	Sheep Anti Rabbit IgG Antibody DyLight 680™ Conjugate, Sheep Anti-Rabbit IgG DyLight 680™ Conjugated Antibody, Anti-Rabbit IgG Antibody DyLight™ 680 generated in sheep detects rabbit IgG.
Purification:	Preadsorption: Pre-Adsorbed
Labeling Ratio:	2.1

Target Details

Target: IgG

Abstract: [IgG Products](#)

Target Type: Antibody

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. This Anti-Rabbit IgG (H&L) is conjugated to DyLight™680.

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: 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: WB

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitution Volume: 100 µL
Reconstitution Buffer: Restore with deionized water (or equivalent)

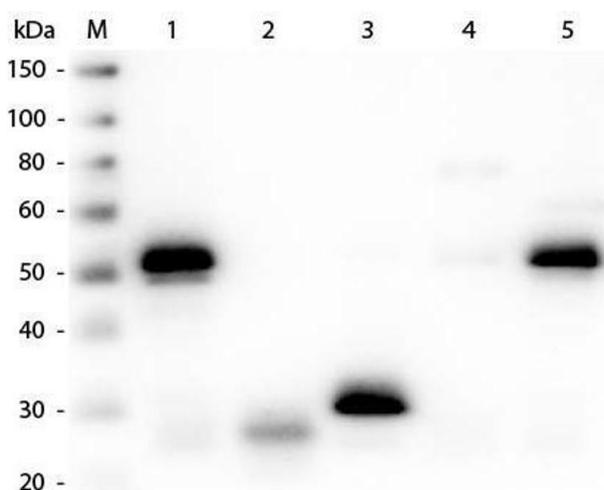
Handling

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.
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: Navarro, Tapia-Galisteo, Martín-García, Tarín, Corbacho, Gómez-López, Sánchez-Tirado, Campuzano, González-Cortés, Yáñez-Sedeño, Compte, Álvarez-Vallina, Sanz: "TGF- β -induced IGFBP-3 is a key paracrine factor from activated pericytes that promotes colorectal cancer cell migration and invasion." in: **Molecular oncology**, Vol. 14, Issue 10, pp. 2609-2628, (2021) ([PubMed](#)).

Images



Western Blotting

Image 1. Western Blot of Anti-Rabbit IgG (H&L) (SHEEP) Antibody (Min X Hu, Gt, Ms Serum Proteins). Lane M: 3 μ l Molecular Ladder. Lane 1: Rabbit IgG whole molecule. Lane 2: Rabbit IgG F(ab) Fragment. Lane 3: Rabbit IgG F(c) Fragment. Lane 4: Rabbit IgM Whole Molecule. Lane 5: Normal Rabbit Serum. All samples were reduced. Load: 50 ng per lane. Block: ABIN925618 for 30 min at RT. Primary Antibody: Anti-Rabbit IgG (H&L) (SHEEP) Antibody (Min X

Hu, Gt, Ms Serum Proteins) 1:3,000 for 60 min at RT.
Secondary antibody: Anti-Sheep IgG (DONKEY) Peroxidase
Conjugated Antibody 1:40,000 in ABIN925618 for 30 min at
RT. Predicted/Obsevered Size: 25 and 50 kDa for Rabbit IgG
and Serum, 25 kDa for F(c) and F(ab), 70 and 23 kDa for
IgM. Rabbit F(c) migrates slightly higher.