

Datasheet for ABIN6699117

Donkey anti-Rabbit IgG Antibody (DyLight 680) - Preadsorbed[2 Images](#)[3 Publications](#)[Go to Product page](#)

Overview

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

Product Details

Immunogen:	Immunogen: Rabbit IgG whole molecule
Isotype:	IgG
Characteristics:	<p>Synonyms: Donkey Anti-Rabbit IgG Antibody DyLight 680™ Conjugated, Donkey Anti Rabbit IgG DyLight 680™ Conjugated Antibody</p> <p>Background: Anti-Rabbit IgG (H&L) DyLight 680 Antibody generated in donkey detects reactivity to Rabbit 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: 2.8

Target Details

Target: IgG

Abstract: [IgG Products](#)

Target Type: Antibody

Application Details

Application Notes: Application Note: Anti-Rabbit IgG (H&L) DyLight 680 Antibody 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

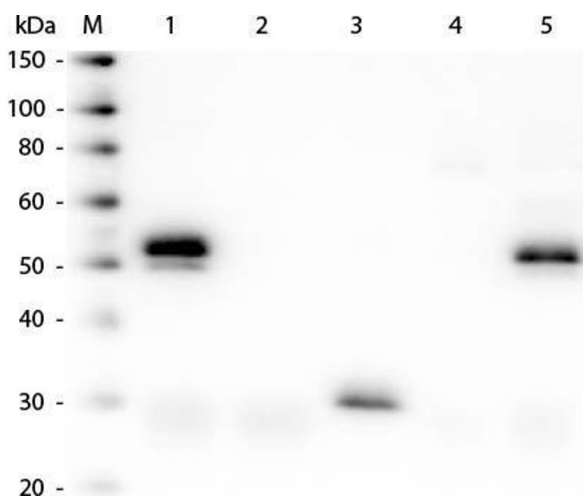
Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which 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:	<p>Lin, Chen, Wang, Cai: "Emodin promotes the arrest of human lymphoma Raji cell proliferation through the UHRF1-DNMT3A-ΔNp73 pathways." in: Molecular medicine reports, Vol. 16, Issue 5, pp. 6544-6551, (2018) (PubMed).</p> <p>Coleman, Maile, Jones, Cairns, Crews: "HMGB1/IL-1β complexes in plasma microvesicles modulate immune responses to burn injury." in: PLoS ONE, Vol. 13, Issue 3, pp. e0195335, (2018) (PubMed).</p> <p>Chen, Zhang, Xu, Wang, Shi, Xu, Zhang, Wang, Li: "HOXC6 promotes gastric cancer cell invasion by upregulating the expression of MMP9." in: Molecular medicine reports, Vol. 14, Issue 4, pp. 3261-8, (2017) (PubMed).</p>
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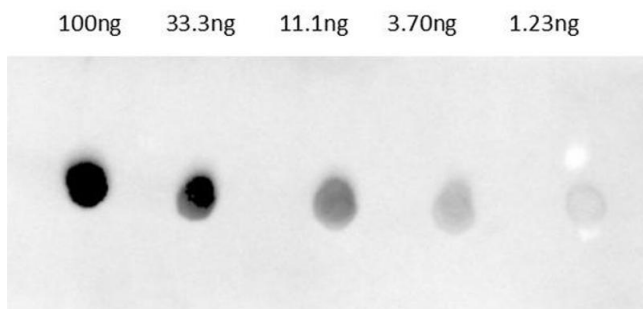
Images



Western Blotting

Image 1. Western Blot of Unconjugated Anti-Rabbit IgG (H&L) (DONKEY) Antibody (Min X Bv Ch Gt GP Ham Hs Hu Ms Rt & Sh Serum Proteins). Lane M: 3 µl 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 of IgG, F(ab), F(c) and Serum, 25 ng of IgM. Block: ABIN925618 for 30 min at RT.

Primary Antibody: Anti-Rabbit IgG (H&L) (DONKEY) Antibody (Min X Bv Ch Gt GP Ham Hs Hu Ms Rt & Sh Serum Proteins) 1:7,500 for 60 min at RT. Secondary antibody: Anti-Donkey IgG (GOAT) Peroxidase Conjugated Antibody 1:40,000 in ABIN925618 for 30 min at RT. Predicted/Observed 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.



Dot Blot

Image 2. Dot Blot of Anti-Rabbit IgG Antibody680 Conjugate. Dot Blot results of Donkey Anti-Rabbit IgG Antibody680 Conjugate. Dots are Rabbit IgG: (1) 100ng, (2) 33.3ng, (3) 11.1ng, (4) 3.70ng, (5) 1.23ng. Primary Antibody: none. Secondary Antibody: Donkey Anti-Rabbit IgG Antibody680 at 1ug/mL in ABIN925618 1hr RT. Imaged with BioRad ChemiDoc,680 filter.