

Datasheet for ABIN6699041

Goat anti-Mouse IgG Antibody (DyLight 800) - Preadsorbed[2 Images](#)[7 Publications](#)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	IgG
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	DyLight 800
Application:	Western Blotting (WB), FLISA, Fluorescence Microscopy (FM)

Product Details

Immunogen:	Immunogen: Mouse IgG whole molecule
Isotype:	IgG
Characteristics:	<p>Synonyms: Goat Anti-Mouse IgG Secondary Antibody DyLight™800 Conjugated, Goat Anti-Mouse IgG Antibody DyLight™800 Conjugated, Anti-mouse IgG secondary antibody, anti-mouse IgG DyLight™800 conjugated secondary antibody</p> <p>Background: Anti-Mouse IgG DyLight 800 Antibody generated in goat detects reactivity to Mouse 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 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 the Heavy and Light chains of the antibody molecule are present.</p>

Product Details

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.

Purification: Preadsorption: Solid phase absorption

Labeling Ratio: 2.4

Target Details

Target: IgG

Abstract: [IgG Products](#)

Target Type: Antibody

Application Details

Application Notes: Application Note: 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.

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

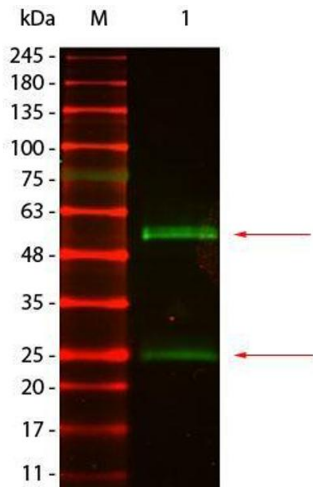
Handling

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:
- Zhao, Zhuo, Zheng, Su, Meric-Bernstam: "FGFR1 β is a driver isoform of FGFR1 alternative splicing in breast cancer cells." in: **Oncotarget**, Vol. 10, Issue 1, pp. 30-44, (2019) ([PubMed](#)).
- Cao, Xue, Cheng, Wang, Liu, Li, Jiang, Li, Gui, Zhang: "MDM2 promotes genome instability by ubiquitinating the transcription factor HBP1." in: **Oncogene**, Vol. 38, Issue 24, pp. 4835-4855, (2019) ([PubMed](#)).
- Compte, Harwood, Muñoz, Navarro, Zonca, Perez-Chacon, Erce-Llamazares, Merino, Tapiá-Galisteo, Cuesta, Mikkelsen, Caleiras, Nuñez-Prado, Aznar, Lykkemark, Martínez-Torre Cuadrada, Melero, Blanco et al.: "A tumor-targeted trimeric 4-1BB-agonistic antibody induces potent anti-tumor immunity without systemic toxicity. ..." in: **Nature communications**, Vol. 9, Issue 1, pp. 4809, (2018) ([PubMed](#)).
- Lin, Chen, Wang, Cai: "Emodin promotes the arrest of human lymphoma Raji cell proliferation through the UHRF1-DNMT3A- Δ Np73 pathways." in: **Molecular medicine reports**, Vol. 16, Issue 5, pp. 6544-6551, (2018) ([PubMed](#)).
- Binek, Fernández-Jiménez, Jorge, Camafeita, López, Bagwan, Galán-Arriola, Pun, Agüero, Fuster, Ibanez, Vázquez: "Proteomic footprint of myocardial ischemia/reperfusion injury: Longitudinal study of the at-risk and remote regions in the pig model." in: **Scientific reports**, Vol. 7, Issue 1, pp. 12343, (2017) ([PubMed](#)).

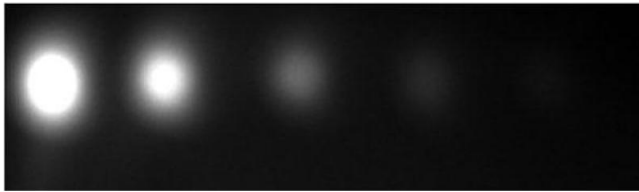
There are more publications referencing this product on: [Product page](#)



Western Blotting

Image 1. Western Blot of Goat anti-Mouse IgG Antibody DyLight 800 Conjugated Pre-absorbed. Lane 1: Mouse IgG. Load: 50 ng per lane. Primary antibody: none. Secondary antibody: Goat anti-Mouse IgG Antibody DyLight 800 Conjugated Pre-absorbed at 1:1,000 for 60 min at RT. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 55 kDa, 25 kDa for Mouse IgG.

100ng 33.3ng 11.1ng 3.70ng 1.23ng



Dot Blot

Image 2. Dot Blot of Anti-Mouse IgG Antibody800 Conjugate. Dot Blot results of Goat Anti-Mouse IgG Antibody800 Conjugate. Dots are Mouse IgG: (1) 100ng, (2) 33.3ng, (3) 11.1ng, (4) 3.70ng, (5) 1.23ng. Primary Antibody: none. Secondary Antibody: Goat Anti-Mouse IgG Antibody800 Conjugate at 1ug/mL in ABIN925618 1hr RT. Imaged with GBox, 800 Filter.