Datasheet for ABIN6699032

# Goat anti-Mouse IgG Antibody (DyLight 680) - Preadsorbed

1 Image | 5 Publications

Go to Product page

## Overview

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

## Product Details

| | |
|---|---|
| Purpose: | Mouse IgG (H&L) Antibody DyLight™ 680 Conjugated Pre-Adsorbed |
| Immunogen: | Mouse IgG whole molecule |
| Isotype: | IgG |
| Cross-Reactivity (Details): | Minimal crossreactivity against Bv Ch Gt GP Ham Hs Hu Rb Rt & Sh Serum Proteins |
| Characteristics: | Goat Anti-Mouse IgG Secondary Antibody DyLight™680 Conjugated, Goat Anti-Mouse IgG Antibody DyLight™680 Conjugated, Anti-mouse IgG secondary antibody, anti-mouse IgG DyLight™680 conjugated secondary antibody,Anti-Mouse IgG DyLight 680 Antibody generated in goat detects reactivity to Mouse 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 compliment 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. 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<br>IF_Microscopy_Dilution: >1:5,000<br>Western_Blot_Dilution: >1:10,000<br>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.<br>Suggested Applications: IF, IHC, Microarray, Multiplex, WB |
| Restrictions: | For Research Use only |

## Handling

| | |
|---|---|
| Format: | Lyophilized |
| Reconstitution: | Reconstitution Volume: 100 µL<br>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:

Szewczyk, Günther, Japtok, Frech, Naumann, Lee, Hermann: "FUS ALS neurons activate major stress pathways and reduce translation as an early protective mechanism against neurodegeneration." in: **Cell reports**, Vol. 42, Issue 2, pp. 112025, (2023) (PubMed).

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).

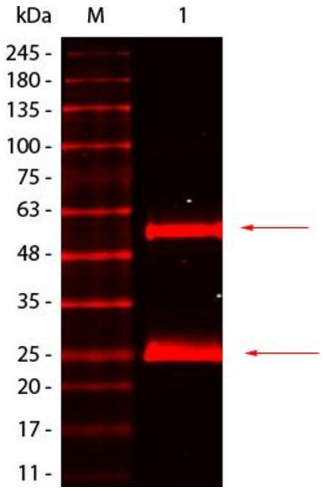
Fu, Cao, Schäfer, Stephan, Braspenning-Wesch, Schmitt, Bischoff, Müller, Schäfer, Vinzón, Rösl, Hasche: "Expression of different L1 isoforms of Mastomys natalensis papillomavirus as mechanism to circumvent adaptive immunity." in: **eLife**, Vol. 9, (2021) (PubMed).

Xue, Liu, Zhang, Ding, Shen, Shao, Wei: "Caffeine improves bladder function in diabetic rats via a neuroprotective effect." in: **Experimental and therapeutic medicine**, Vol. 21, Issue 5, pp. 501, ( 2021) (PubMed).

## Publications

Schütter, Giavalisco, Brodesser, Graef: "Local Fatty Acid Channeling into Phospholipid Synthesis Drives Phagophore Expansion during Autophagy." in: **Cell**, Vol. 180, Issue 1, pp. 135-149.e14, ( 2020) (PubMed).

## Images




**Western Blotting**

**Image 1.** Mouse IgG Antibody DyLight 680 Conjugated Pre-Absorbed - Western Blot. Western Blot of Goat anti-Mouse IgG Antibody DyLight 680 Conjugated Pre-absorbed. Lane 1: Mouse IgG. Load: 50 ng per lane. Primary antibody: none. Secondary antibody: Goat anti-Mouse IgG Antibody DyLight 680 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.