

Datasheet for ABIN6699029

Goat anti-Mouse IgG (Heavy & Light Chain) Antibody (DyLight 680) - Preadsorbed



[Go to Product page](#)

1 Image

8 Publications

Overview

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

Product Details

| | |
|------------------|---|
| Purpose: | Goat Anti-Mouse IgG Secondary Antibody DyLight™ 680 Conjugated |
| Immunogen: | Mouse IgG, whole molecule |
| Isotype: | IgG |
| Specificity: | This antibody will react with heavy chains of Mouse IgG and with light chains of most Mouse immunoglobulins. |
| Characteristics: | <p>Synonyms: 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</p> <p>Background: Anti-Mouse IgG DyLight 680 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</p> |

Product Details

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. 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: This product was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG coupled to agarose followed by conjugation to fluorochrome and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Mouse IgG and Mouse Serum.

Labeling Ratio: 2.6

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

Handling

| | |
|--------------------|---|
| 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 |
| 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 |

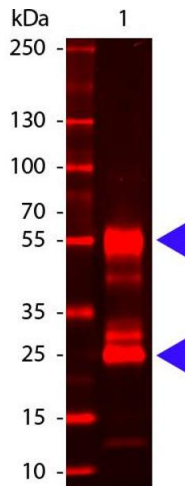
Publications

| | |
|-------------------|--|
| Product cited in: | <p>Xia, Ji, Xu, Lin, Wang, Xia, Lv, Song, Ma, Chen: "Knockout of MARCH2 inhibits the growth of HCT116 colon cancer cells by inducing endoplasmic reticulum stress." in: Cell death & disease, Vol. 8, Issue 7, pp. e2957, (2018) (PubMed).</p> <p>Li, Xu, Lin, Qu, Xia, Hongdu, Xia, Wang, Lou, He, Ma, Chen: "Deletion of Pcd5 in mice led to the deficiency of placenta development and embryonic lethality." in: Cell death & disease, Vol. 8, Issue 5, pp. e2811, (2018) (PubMed).</p> <p>Lin, Cui, Xu, Hong, Xia, Xu, Li, Zhang, Lou, He, Lv, Chen: "Liver-specific deletion of Eva1a/Tmem166 aggravates acute liver injury by impairing autophagy." in: Cell death & disease, Vol. 9, Issue 7, pp. 768, (2018) (PubMed).</p> <p>Pereira, Bacman, Arguello, Zekonyte, Williams, Edgell, Moraes: "mitoTev-TALE: a monomeric DNA editing enzyme to reduce mutant mitochondrial DNA levels." in: EMBO molecular medicine, Vol. 10, Issue 9, (2018) (PubMed).</p> <p>Wang, Gregory-Evans, Wasan, Sivak, Shan, Gregory-Evans: "Efficacy of Postnatal In Vivo</p> |
|-------------------|--|

Nonsense Suppression Therapy in a Pax6 Mouse Model of Aniridia." in: **Molecular therapy. Nucleic acids**, Vol. 7, pp. 417-428, (2017) ([PubMed](#)).

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

Images



Western Blotting

Image 1. Mouse IgG (H&L) Antibody 680 Conjugated - Western Blot. Western Blot of 680 Conjugated Goat anti-Mouse IgG antibody. Lane 1: Mouse IgG. Lane 2: none. Load: 50 ng per lane. Primary antibody: none. Secondary antibody: 680 mouse secondary antibody at 1:5,000 for 60 min at RT. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 55 kDa, 28 kDa for Mouse IgG. Other band(s): none.