

Datasheet for ABIN6699038

Donkey anti-Mouse IgG (Heavy & Light Chain) Antibody (DyLight 800) - Preadsorbed[Go to Product page](#)**3** Publications

Overview

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|----------------------|--|
| Quantity: | 100 µg |
| Target: | IgG |
| Binding Specificity: | Heavy & Light Chain |
| Reactivity: | Mouse |
| Host: | Donkey |
| Clonality: | Polyclonal |
| Conjugate: | DyLight 800 |
| Application: | Western Blotting (WB), FLISA, Fluorescence Microscopy (FM) |

Product Details

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|------------------|---|
| Purpose: | Donkey anti-Mouse IgG DyLight 800™ Conjugated Antibody |
| Immunogen: | 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: Donkey anti-Mouse IgG DyLight 800™ Conjugated Antibody, Donkey anti Mouse IgG Antibody DyLight 800™ Conjugation</p> <p>Background: Anti-Mouse IgG DyLight800 Antibody generated in donkey 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</p> |

Product Details

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 beads followed by conjugation to fluorochrome and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Donkey Serum, Mouse IgG and Mouse Serum.

Labeling Ratio: 1.7

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: 1:10,000-1:25,000

IF Microscopy Dilution: >1:5,000

Restrictions: For Research Use only

Handling

Format: Lyophilized

Handling

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

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|-------------------|---|
| Product cited in: | Holgate, Tarren, Bartlett: "Sex Specific Alterations in $\alpha 4^*$ Nicotinic Receptor Expression in the Nucleus Accumbens." in: Brain sciences , Vol. 8, Issue 4, (2018) (PubMed). |
| | Newman, Schiavon, Turn, Kahn: "The ARL2 GTPase regulates mitochondrial fusion from the intermembrane space." in: Cellular logistics , Vol. 7, Issue 3, pp. e1340104, (2017) (PubMed). |
| | Newman, Schiavon, Kahn: "Plasmids for variable expression of proteins targeted to the mitochondrial matrix or intermembrane space." in: Cellular logistics , Vol. 6, Issue 4, pp. e1247939, (2016) (PubMed). |