

Datasheet for ABIN6699007

Donkey anti-Mouse IgG Antibody (DyLight 488) - Preadsorbed



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2 Images

Overview

Quantity:	100 µg
Target:	IgG
Reactivity:	Mouse
Host:	Donkey
Clonality:	Polyclonal
Conjugate:	DyLight 488
Application:	Western Blotting (WB), FLISA, Fluorescence Microscopy (FM), Dot Blot (DB)

Product Details

Purpose:	Mouse IgG (H&L) Antibody DyLight™ 488 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:	Donkey anti-Mouse IgG DyLight 488™ Conjugated Antibody, Donkey anti Mouse IgG Antibody DyLight 488™ Conjugation, Anti-Mouse IgG DyLight488 Antibody generated in donkey detects reactivity to Mouse IgG.
Purification:	Preadsorption: Pre-Adsorbed
Labeling Ratio:	3.8

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	<p>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. 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.</p>

Application Details

Application Notes:	<p>FLISA_Dilution: >1:20,000 IF_Microscopy_Dilution: >1:5,000 Western_Blots_Dilution: >1:10,000 Other: User Optimized</p>
Comment:	<p>Anti-Mouse IgG DyLight488 Antibody has been tested by dot blot and western blot and 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.</p> <p>Suggested Applications: IF, IHC, Multiplex</p>
Restrictions:	For Research Use only

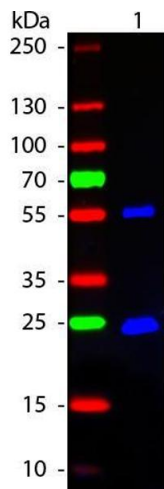
Handling

Format:	Lyophilized
Reconstitution:	<p>Reconstitution Volume: 100 µL Reconstitution Buffer: Restore with deionized water (or equivalent)</p>

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

Images



Western Blotting

Image 1. Western Blot of Fluorescein conjugated Donkey Anti-Mouse IgG Pre-Adsorbed secondary antibody. Lane 1: Mouse IgG. Lane 2: None. Load: 50 ng per lane. Primary antibody: None. Secondary antibody: Fluorescein donkey secondary antibody at 1:1,000 for 60 min at RT. Blocking: ABIN925618 for 30 min at RT. Predicted/Observed size: 25 & 55 kDa, 25 & 55 kDa for Mouse IgG. Other band(s): None.



Western Blotting

Image 2. Dylight 488 Anti Mouse Antibody-Multiplex Fluorescent Western blot - Rabbit anti-Transferrin (ABIN107681 lot 3033, green), Goat-anti-Alpha-1-Anti-Trypsin , and Mouse-a-GST were used in a multiplex system to detect target proteins under reducing (R) conditions (+4% BME) in albumin depleted human serum with 320 ng of added GST. Sample was run by SDS-PAGE, transferred to 0.2 um PVDF using the BioRad Trans-Blot Turbo and blocked in 2.5% Blotto, 2.5% BSA, 0.02% Tween over night at 4°C. Membrane was probed with three primary antibodies at 1:1000 dilution (in ABIN925618 over night at 4°C). Detection shown was using DyLight549 Donkey anti-Rabbit IgG (ABIN6699106 lot 21100, shown as green) DyLight 488 Donkey anti-Mouse IgG (ABIN6699007 lot 21095, shown as blue), and DyLight 649 Donkey anti-Goat IgG (ABIN6698870 lot 20834, shown as red) at 1:10000 (in ABIN925618 30 min RT). Blots were washed, rinsed in methanol, dried and Images were collected using the BioRad VersaDoc System.