Datasheet for ABIN6698870

Donkey anti-Goat IgG Antibody (DyLight 649) - Preadsorbed

1 Image | 1 Publication

Go to Product page

Overview

Quantity:	100 µg
Target:	IgG
Reactivity:	Goat
Host:	Donkey
Clonality:	Polyclonal
Conjugate:	DyLight 649
Application:	Western Blotting (WB), FLISA, Fluorescence Microscopy (FM)

Product Details

Immunogen:	Immunogen: Goat IgG whole molecule
Isotype:	IgG
Characteristics:	Synonyms: Donkey anti-Goat IgG Antibody DyLight™ 649 Conjugated Pre-Adsorbed, Donkey anti-Goat IgG DyLight™ 649 Conjugated Antibody Background: Anti-Goat IgG DyLight Antibody generated in donkey detects goat 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 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 heavy and light chains of the antibody molecule are present.
Purification:	Preadsorption: Solid phase absorption

Product Details

Labeling Ratio:	3.2

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody

Application Details

Application Notes:	Application Note: The emission spectra for this DyLight™ conjugate match the principle output wavelengths of most common fluorescence instrumentation. 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. 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
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

Handling

	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:	Malykhina, Qin, Lei, Pan, Greenwood-Van Meerveld, Foreman: "Differential effects of intravesical resiniferatoxin on excitability of bladder spinal neurons upon colon-bladder cross-sensitization." in: **Brain research**, Vol. 1491, pp. 213-24, (2013) (PubMed).

Images

Western Blotting

Image 1. Dylight 488 Anti Mouse Antibody-Multiplex Fluorescent Western blot Rabbit anti-Transferrin (109-4134 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 (611-742-127 lot 21100, shown as green) DyLight 488 Donkey anti-Mouse IgG (610-741-124 lot 21095, shown as blue), and DyLight 649 Donkey anti-Goat IgG (605-743-125 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.