

# Product Datasheet

## Donkey anti-Goat IgG (H+L) Secondary Antibody [DyLight 649] (Pre-adsorbed) NBP1-72847

Unit Size: 100 ug

Store lyophilized antibody at 4C in the dark. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.

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**NBP1-72847**

Donkey anti-Goat IgG (H+L) Secondary Antibody [DyLight 649] (Pre-adsorbed)

Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store lyophilized antibody at 4C in the dark. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Reconstitution Instructions	Reconstitute with 100 ul deionized water (or equivalent).
Isotype	IgG
Conjugate	DyLight 649
Purity	Multi-step
Buffer	Lyophilized from 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Product Description	
Description	<p>Store vial at 4C prior to restoration. For extended storage aliquot contents and freeze at -20C 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 4C as an undiluted liquid. Dilute only prior to immediate use.</p> <p>This product was prepared from monospecific antiserum by immunoaffinity chromatography using Goat IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Donkey Serum, Goat IgG and Goat Serum</p>
Host	Donkey
Species	Goat
Specificity/Sensitivity	<p>This antibody was pre-adsorbed against Chicken, Guinea Pig, Hamster, Horse, Mouse, Rabbit, and Rat Serum Proteins.</p> <p>No reaction was observed against Chicken, Guinea Pig, Hamster, Horse, Mouse, Rabbit and Rat Serum Proteins. This antibody will react with heavy chains of Goat IgG and with light chains of most Goat immunoglobulins.</p>
Immunogen	Goat IgG whole molecule

Product Application Details	
Applications	Western Blot, Fluorophore-linked immunosorbent assay, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:10000, Immunocytochemistry/ Immunofluorescence 1:5000, Fluorophore-linked immunosorbent assay 1:20000
Application Notes	The emission spectra for this DyLight(TM) 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.



## Images

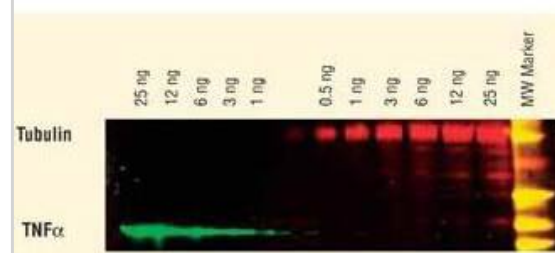
Western Blot: Donkey anti-Goat IgG (H+L) Secondary Antibody [DyLight 649] (Pre-adsorbed) [NBP1-72847] - Rabbit anti-Transferrin, Goat-anti-Alpha-1-Anti-Trypsin, and Mouse-a-GST. Detection shown was using DyLight549 Donkey anti-Rabbit IgG, DyLight 488 Donkey anti-Mouse IgG, and DyLight 649 Donkey anti-Goat IgG at 1:10000 (in blocking buffer min RT). Blots were washed, rinsed in methanol and dried.



Rabbit anti-Transferrin (109-4134 lot 3033, green), Goat-anti-Alpha-1-Anti-Trypsin (lot 5842), and Mouse-a-GST (lot 24882) 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 4C. Membrane was probed with three primary antibodies at 1:1000 dilution (in over night at 4C). Detection shown was using DyLight549 Donkey anti-Rabbit IgG (lot 21100, shown as green) DyLight 488 Donkey anti-Mouse IgG (lot 21095, shown as blue), and DyLight 649 Donkey anti-Goat IgG (lot 20834, shown as red) at 1:10000 (in 30 min RT). Blots were washed, rinsed in methanol, dried and Images were collected using the BioRad VersaDoc System.



DyLight(TM) dyes can be used for two-color Western Blot detection with low background and high signal. Anti-tubulin was detected using a DyLight(TM) 549 conjugate. Anti-TNF $\alpha$  was detected using a DyLight (TM) 649 conjugate. The image was captured using the Typhoon(TM) 9410 Imaging System.





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Secondary Antibodies are guaranteed for 1 year from date of receipt.

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