

Product Datasheet

Goat anti-Rat IgG (H+L) Secondary Antibody [DyLight 800] (Pre-adsorbed) NBP1-72981

Unit Size: 0.1 mg

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

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NBP1-72981

Goat anti-Rat IgG (H+L) Secondary Antibody [DyLight 800] (Pre-adsorbed)

Product Information	
Unit Size	0.1 mg
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 800
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 Rat 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-Goat Serum, Rat IgG and Rat Serum</p>
Host	Goat
Species	Rat
Specificity/Sensitivity	<p>This antibody was pre-adsorbed against Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Rabbit, and Sheep Serum Proteins.</p> <p>No reaction was observed against Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Rabbit and Sheep Serum Proteins. This antibody will react with heavy chains of rat IgG and with light chains of most rat immunoglobulins.</p>
Immunogen	Rat IgG whole molecule

Product Application Details	
Applications	Western Blot, Dot Blot, Fluorophore-linked immunosorbent assay, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:10000, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 1:5000, Immunohistochemistry-Paraffin 1:50 - 1:200, Dot Blot, Fluorophore-linked immunosorbent assay 1:20000

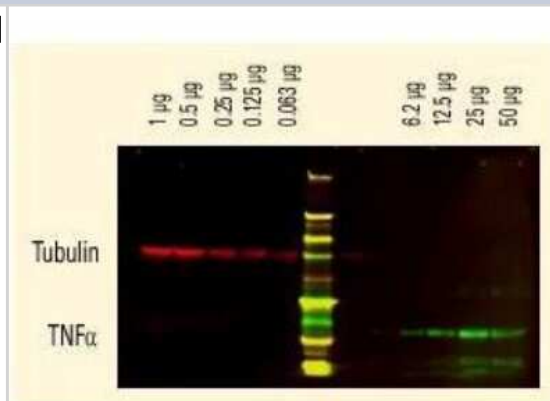


Application Notes

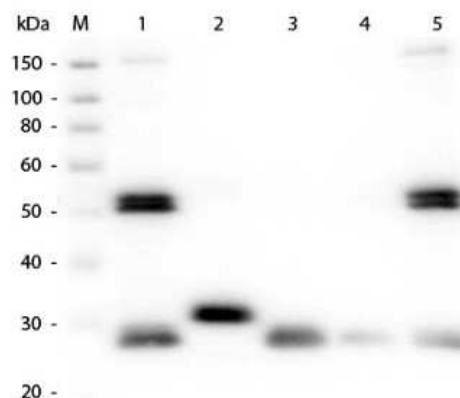
This product has been tested by dot blot and is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms. The emission spectra for this DyLight(TM) conjugate match the principle output wavelengths of most common fluorescence instrumentation.

Images

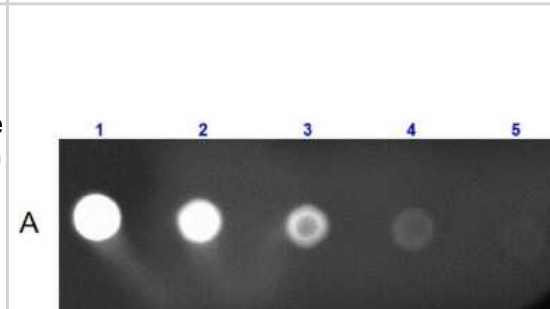
Western Blot: Goat anti-Rat IgG (H+L) Secondary Antibody [DyLight 800] (Pre-adsorbed) [NBP1-72981] - DyLight (TM) dyes can be used for two-color Western Blot detection with low background and high signal. Anti-tubulin was detected using a DyLight (TM) 680 conjugate. Anti-TNF α was detected using a DyLight (TM) 800 conjugate. The image was captured using the Odyssey(R) Infrared Imaging System developed by LI-COR.



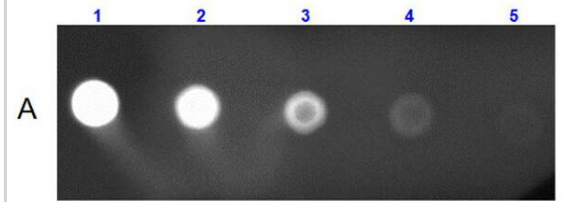
Western Blot: Goat anti-Rat IgG (H+L) Secondary Antibody [DyLight 800] (Pre-adsorbed) [NBP1-72981] - Western Blot of Goat anti-Rat IgG (H+L) Secondary antibody [DyLight 800] (Pre-adsorbed) (Min X Bv Ch Gt GP Ham Hs Hu Ms Rb & Sh Serum Proteins). Lane M: 3 ul Molecular Ladder. Lane 1: Rat IgG whole molecule. Lane 2: Rat IgG F(c) Fragment. Lane 3: Rat IgG Fab Fragment. Lane 4: Rat IgM Whole Molecule. Lane 5: Rat Serum. All samples were reduced. Load: 50 ng per lane. Block: 30 min at RT. Primary Antibody: Anti-Rat IgG (H+L) (GOAT) Antibody (Min X Bv Ch Gt GP Ham Hs Hu Ms Rb & Sh Serum Proteins) 1:1,000 for 60 min at RT. Secondary Antibody: Anti-Goat IgG (DONKEY) Peroxidase Conjugated Antibody 1:40,000 in 30 min at RT. Predicted/Observed Size: 25 and 55 kDa for Rat IgG and Serum, 25 kDa for F(c) and Fab, 78 and 25 kDa for IgM . Rat F(c) migrates slightly higher.



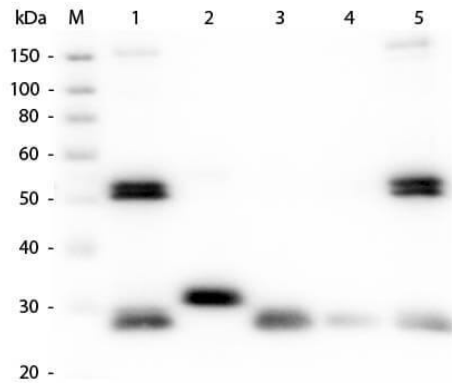
Dot Blot: Goat anti-Rat IgG (H+L) Secondary Antibody [DyLight 800] (Pre-adsorbed) [NBP1-72981] - Dot Blot Results of Goat anti-Rat IgG (H+L) Secondary antibody [DyLight 800] (Pre-adsorbed) (Min X Bv, Ch, Gt, GP, Ham, Hs, Hu, Ms, Rb, Sh Serum Proteins). RAT IgG whole molecule at 100ng, 33.33ng, 11.11ng, 3.70ng, 1.23ng. Antibody: Goat anti-Rat IgG (H+L) Secondary antibody [DyLight 800] (Pre-adsorbed) MX10 at 1ug/mL for 60mins at RT. Buffer: Blocking Buffer for Fluorescent Western Blotting for 30 mins at RT. Exposure: 37 sec.



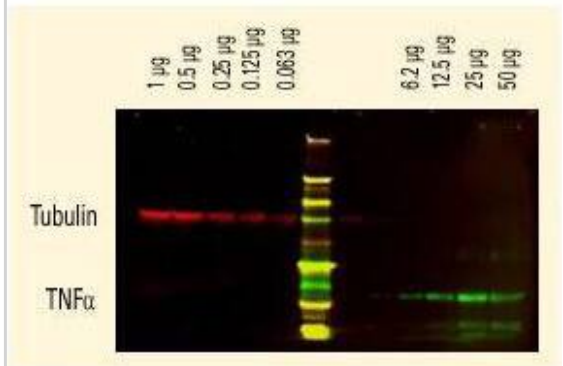
Dot Blot Results of Goat Anti-Rat IgG Antibody DyLight(TM)800 Conjugated (Min X Bv, Ch, Gt, GP, Ham, Hs, Hu, Ms, Rb, Sh Serum Proteins). RAT IgG whole molecule at 100ng, 33.33ng, 11.11ng, 3.70ng, 1.23ng. Antibody: Goat anti-Rat IgG (H+L) Secondary Antibody [DyLight 800] (Pre-adsorbed) at 1ug/mL for 60mins at RT. Buffer: Blocking Buffer for Fluorescent Western Blotting



Western Blot of Goat anti-Rat IgG (H+L) Secondary Antibody [DyLight 800] (Pre-adsorbed)



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) 680 conjugate. Anti-TNF α was detected using a DyLight (TM) 800 conjugate. The image was captured using the Odyssey(R) Infrared Imaging System developed by LI-COR.





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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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