

Product Datasheet

Goat anti-Mouse IgG (H+L) Secondary Antibody [DyLight 488] (Pre-adsorbed) NBP1-72874

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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Reviews: 4

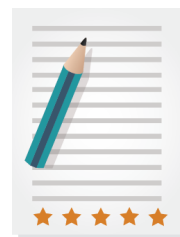
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NBP1-72874

Goat anti-Mouse IgG (H+L) Secondary Antibody [DyLight 488] (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 488
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 Mouse 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, Mouse IgG and Mouse Serum</p>
Host	Goat
Species	Mouse
Specificity/Sensitivity	<p>This antibody was pre-adsorbed against Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Rabbit, Rat, and Sheep Serum Proteins.</p> <p>No reaction was observed against Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Rabbit, Rat and Sheep Serum Proteins. This antibody will react with heavy chains of mouse IgG and with light chains of most mouse immunoglobulins.</p>
Immunogen	Mouse IgG whole molecule
Notes	DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

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

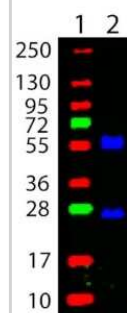


Application Notes

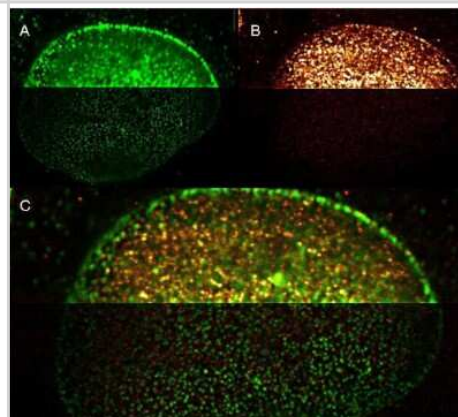
This product has been tested by dot blot and western blot. This product is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial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

Images

Western Blot: Goat anti-Mouse IgG (H+L) Secondary Antibody [DyLight 488] (Pre-adsorbed) [NBP1-72874] - Western Blot showing detection of Mouse IgG, heavy and light chain. 100 ng of Mouse IgG (Lane 2) was run on a 4-20% gel and transferred to 0.45 um nitrocellulose. After blocking with 1% BSA-TTBS 30 min at 20C, Goat anti-Mouse IgG (H+L) Secondary antibody [DyLight 488] (Pre-adsorbed) was used at 1:1000 in Blocking Buffer for Fluorescent Western Blotting and imaged using the Bio-Rad VersaDoc(R) 4000 MP. Molecular weight markers are in lane 1.

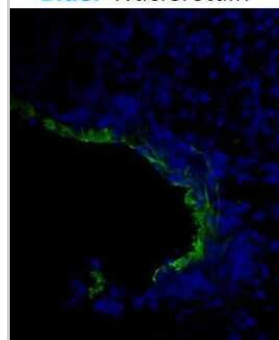


Immunocytochemistry/Immunofluorescence: Goat anti-Mouse IgG (H+L) Secondary Antibody [DyLight 488] (Pre-adsorbed) [NBP1-72874] - Goat anti-Mouse IgG (H+L) Secondary antibody [DyLight 488] (Pre-adsorbed)
 Cell Type: A431 cells Fixation: 4% paraformaldehyde 10 min
 Permeablization: 0.5% Triton X 30 min Primary Ab: 1:250 72 hours 4C
 Secondary Ab: 1:1000 overnight 4C



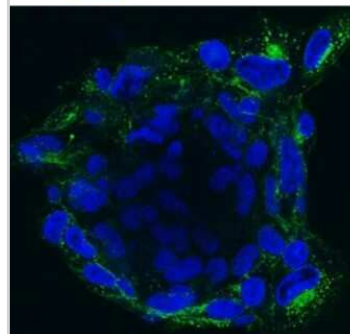
Immunohistochemistry-Paraffin: Goat anti-Mouse IgG (H+L) Secondary Antibody [DyLight 488] (Pre-adsorbed) [NBP1-72874] - Staining of paraffin embedded mouse tissue. Goat anti-Mouse DyLight 488 was used as a secondary antibody. Image from verified customer review.

Green: DyLight 488
Blue: Nuclei stain

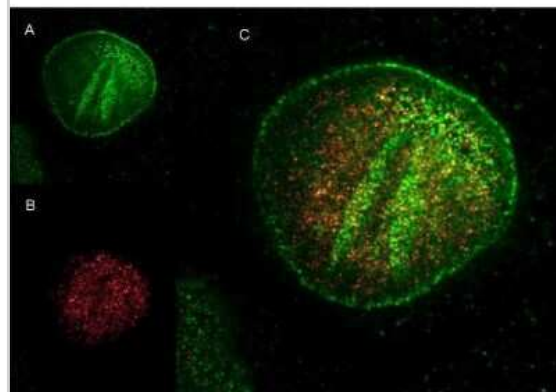


Immunocytochemistry/Immunofluorescence: Goat anti-Mouse IgG (H+L) Secondary Antibody [DyLight 488] (Pre-adsorbed) [NBP1-72874] - MDA-MB-231 cells were stained. Goat anti-Mouse DyLight 488 was used as a secondary antibody and DRAQ5 was used for nuclear stain. Image from verified customer review.

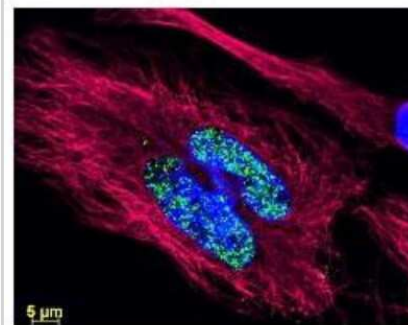
Green: DyLight 488
Blue: Nuclei stain



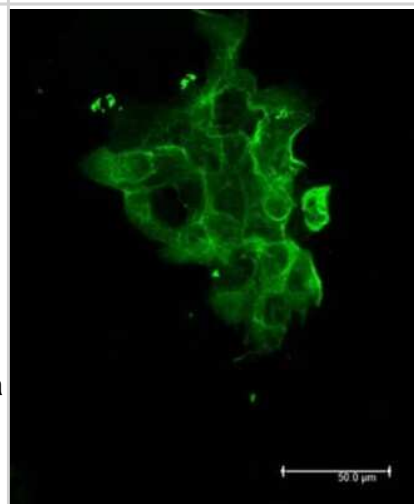
Immunocytochemistry/Immunofluorescence: Goat anti-Mouse IgG (H+L) Secondary Antibody [DyLight 488] (Pre-adsorbed) [NBP1-72874] - DyLight and ATTO dye conjugated antibodies provide high signal and low background for confocal microscopy and high resolution Stimulated Emission Depletion (STED) Microscopy. Both DyLight and Atto conjugated secondary antibodies maintained robust, intense signal during repeated laser excitation and de-excitation used during STED microscopy. Shown here are: A. (Green) Mouse anti NuP (NuP=Nuclear Pore Protein) detected with DyLight 488 Goat anti mouse B. (Red) Rabbit Anti Ezh1/2 Pab (Ezh=enhancer of zeste homology) with detection by ATTO 425 conjugated Goat anti Rabbit C. (Red and Green) Images combined.



Immunocytochemistry/Immunofluorescence: Goat anti-Mouse IgG (H+L) Secondary Antibody [DyLight 488] (Pre-adsorbed) [NBP1-72874]

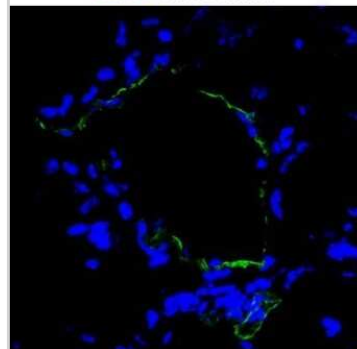


Immunocytochemistry/Immunofluorescence: Goat anti-Mouse IgG (H+L) Secondary Antibody [DyLight 488] (Pre-adsorbed) [NBP1-72874] - DyLight and ATTO dye conjugated antibodies provide high signal and low background for confocal microscopy and high resolution Stimulated Emission Depletion (STED) Microscopy. Both DyLight and Atto conjugated secondary antibodies maintained robust, intense signal during repeated laser excitation and de-excitation used during STED microscopy. Shown here are: A. (Green) Mouse anti NuP (NuP=Nuclear Pore Protein) detected with Goat anti-Mouse IgG (H+L) Secondary antibody [DyLight 488] (Pre-adsorbed) B. (Red) Rabbit Anti Ezh1/2 Pab (Ezh=enhancer of zeste homology) with detection by ATTO 425 conjugated Goat anti Rabbit C. (Red and Green) Images combined. Data was collected on a STED-CW TCS-SP5 Confocal system (Leica Microsystems) equipped with a DFC 350FX Camera allowing sequential acquisition in wide-field, confocal and STED CW imaging modes.

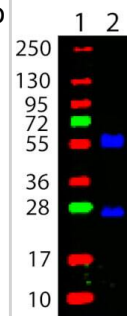


Immunohistochemistry-Frozen: Goat anti-Mouse IgG (H+L) Secondary Antibody [DyLight 488] (Pre-adsorbed) [NBP1-72874] - Staining of mouse frozen tissue. Goat anti-Mouse DyLight 488 was used as a secondary antibody. Image from verified customer review.

Green: DyLight 488
Blue: Nuclei stain



Western Blot showing detection of Mouse IgG, heavy and light chain. 100 ng of Mouse IgG (Lane 2) was run on a 4-20% gel and transferred to 0.45 um nitrocellulose. After blocking with 1% BSA-TTBS





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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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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