

Product Datasheet

Donkey anti-Goat IgG (H+L) Secondary Antibody [DyLight 488] (Pre-adsorbed) NBP1-72843

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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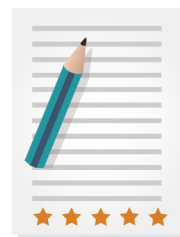
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NBP1-72843

Donkey anti-Goat 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 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
Notes	DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

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

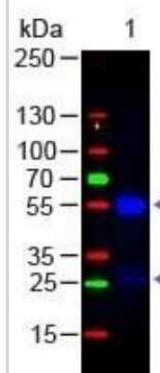


Application Notes

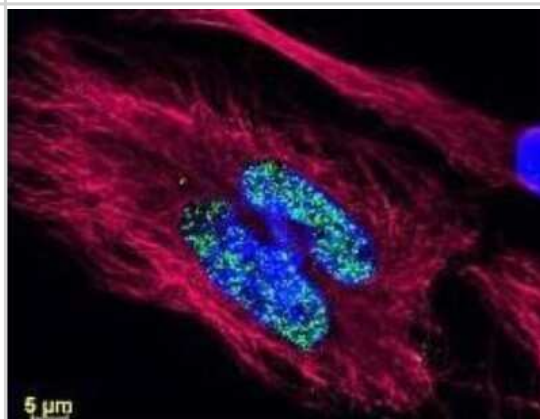
This product has been tested by dot blot. This product is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms. The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

Images

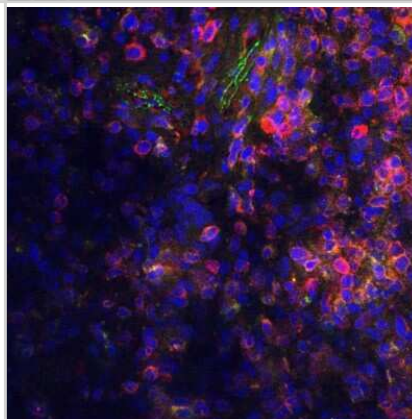
Western Blot: Donkey anti-Goat IgG (H+L) Secondary Antibody [DyLight 488] (Pre-adsorbed) [NBP1-72843] - Lane 1: Goat IgG Load: 50 ug per lane Secondary antibody: Goat IgG (H&L) Antibody DyLight (TM) 488 conjugated Pre-Adsorbed at 1:1,000 for 60 min at RT Block for 30 min at RT Predicted/Observed size: 55 and 28 kDa, 55 and 28 kDa



Immunocytochemistry/Immunofluorescence: Donkey anti-Goat IgG (H+L) Secondary Antibody [DyLight 488] (Pre-adsorbed) [NBP1-72843] - Image shows anti-Histone detection using a DyLight™ 488 conjugate (green). Anti-Tubulin was detected using a DyLight™ 549 conjugate (red). Nuclei were counter-stained using DAPI (blue).



Immunohistochemistry-Frozen: Donkey anti-Goat IgG (H+L) Secondary Antibody [DyLight 488] (Pre-adsorbed) [NBP1-72843] - Image shows detection of PD-1 in mouse frozen tissue sections (salivary gland injected with human T cells) using DyLight™ 488 conjugated donkey anti-goat IgG (H+L) secondary antibody (green). Image from verified customer review.

**Publications**

Agarwal R, Liu G, Tam NW et al. Precision cell delivery in biphasic polymer systems enhances growth of keratinocytes in culture and promotes their attachment on acellular dermal matrices *J Tissue Eng Regen Med* 2019-02-28 [PMID: 30811860] (ICC/IF)

England CG, Jiang D, Ehlerding EB et al. (89)Zr-labeled nivolumab for imaging of T-cell infiltration in a humanized murine model of lung cancer *Eur J Nucl Med Mol Imaging* 2017-08-20 [PMID: 28821924] (IF/IHC)



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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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