

Product Datasheet

Rabbit anti-Rat IgG (H+L) Secondary Antibody [DyLight 680] (Pre-adsorbed) NBP1-72991

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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NBP1-72991

Rabbit anti-Rat IgG (H+L) Secondary Antibody [DyLight 680] (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 680
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	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. 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-Rabbit Serum, Rat IgG and Rat Serum
Host	Rabbit
Species	Rat
Specificity/Sensitivity	This antibody was pre-adsorbed against Human Serum Proteins. No reaction was observed against Human Serum Proteins. This antibody will react with heavy chains of Rat IgG and with light chains of most Rat immunoglobulins.
Immunogen	Rat IgG whole molecule
Notes	DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

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



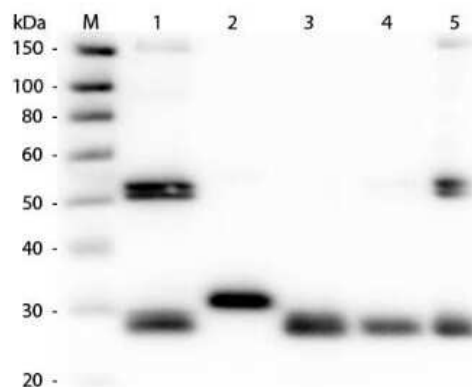
Application Notes

This product has been tested by western 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.

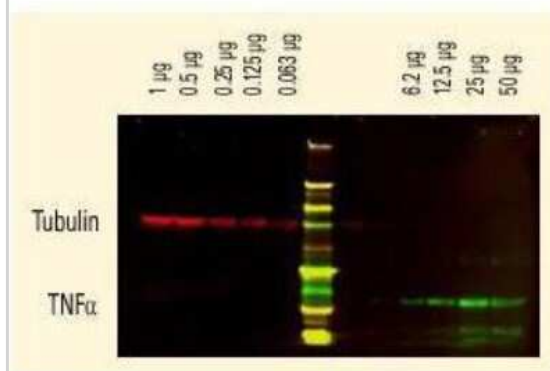


Images

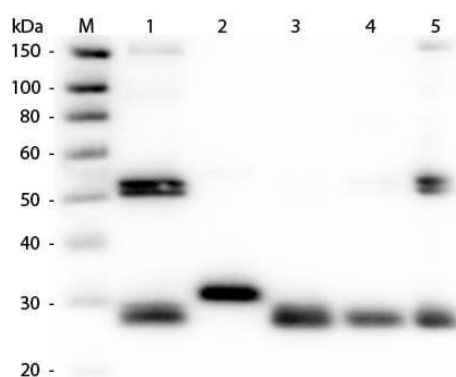
Western Blot: Rabbit anti-Rat IgG (H+L) Secondary Antibody [DyLight 680] (Pre-adsorbed) [NBP1-72991] - Western Blot using anti-Rat IgG (H+L) Secondary Antibody [DyLight 680] (Pre-adsorbed). Lane M: 3 ul Molecular Ladder. Lane 1: Rat IgG Isotype Control (NBP1-97040). Lane 2: Rat IgG, Fc Isotype Control (NBP1-96967). Lane 3: Rat IgG Fab Fragment (NBP1-97014). Lane 4: Rat IgM Isotype Control (NBP1-96776). Lane 5: Rat Serum. All samples were reduced. Load: 50 ng per lane. Blocking for 30 min at RT. Primary Antibody: Anti-Rat IgG (H+L) Antibody, blocked for 60 min at RT. Secondary Antibody: Anti-Rabbit IgG Peroxidase Conjugated Antibody blocked for 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.



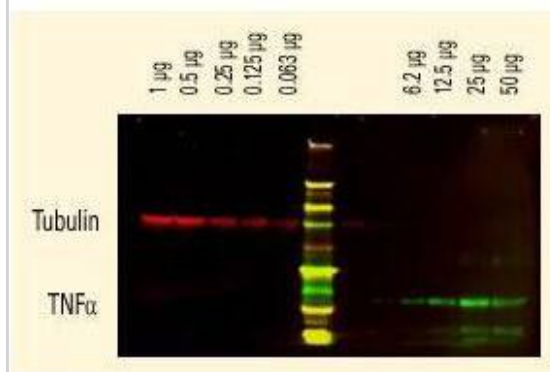
Western Blot: Rabbit anti-Rat IgG (H+L) Secondary Antibody [DyLight 680] (Pre-adsorbed) [NBP1-72991] - Anti-tubulin was detected using a DyLight 680 conjugate. Anti-TNF alpha was detected using a DyLight 800 conjugate. The image was captured using the Odyssey Infrared Imaging System developed by LI-COR.



Western Blot of Rabbit anti-Rat IgG (H+L) Secondary Antibody [DyLight 680] (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? 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.

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

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