

# Product Datasheet

## Goat anti-Rat IgG (H+L) Secondary Antibody [DyLight 549] (Pre-adsorbed) NBP1-72975

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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**NBP1-72975**

Goat anti-Rat IgG (H+L) Secondary Antibody [DyLight 549] (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 549
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

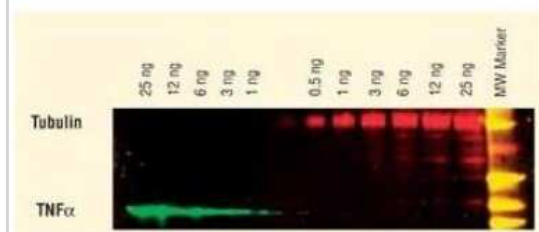
Product Description	
Description	<p>Store vial at 4C prior to restoration. For extended storage aliquot contents and freeze at -20C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 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, Fluorophore-linked immunosorbent assay, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:10000, Immunocytochemistry/ Immunofluorescence 1:5000, 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.

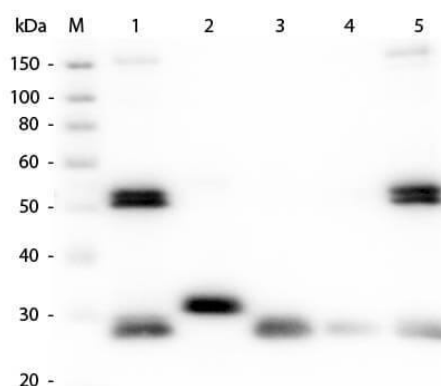


## Images

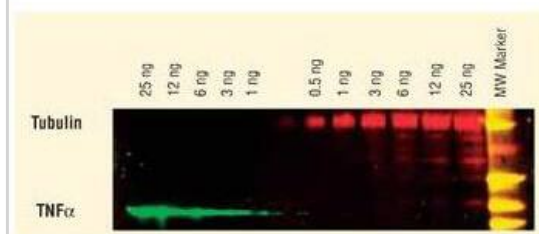
Western Blot: Goat anti-Rat IgG (H+L) Secondary Antibody [DyLight 549] (Pre-adsorbed) [NBP1-72975] - DyLight (TM) dyes can be used for two-color Western Blot detection with low background and high signal. Anti-tubulin was detected using a DyLight (TM) 549 conjugate. Anti-TNF $\alpha$  was detected using a DyLight (TM) 649 conjugate. The image was captured using the Typhoon (TM) 9410 Imaging System.



Western Blot of Goat anti-Rat IgG (H+L) Secondary Antibody [DyLight 549] (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) 549 conjugate. Anti-TNF $\alpha$  was detected using a DyLight (TM) 649 conjugate. The image was captured using the Typhoon(TM) 9410 Imaging System.



## Publications

Harding J, Vintersten-Nagy K, Yang H et al. Immune-privileged tissues formed from immunologically cloaked mouse embryonic stem cells survive long term in allogeneic hosts Nature biomedical engineering 2023-11-23 [PMID: 37996616]



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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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