

# Product Datasheet

## Goat anti-Rat IgM Heavy Chain Secondary Antibody [DyLight 488] NBP1-72972

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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**NBP1-72972****Goat anti-Rat IgM Heavy Chain Secondary Antibody [DyLight 488]**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	LYOPH mg/ml
<b>Storage</b>	Store lyophilized antibody at 4C in the dark. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Sodium Azide
<b>Reconstitution Instructions</b>	Reconstitute with 100 ul deionized water (or equivalent).
<b>Isotype</b>	IgG
<b>Conjugate</b>	DyLight 488
<b>Purity</b>	Multi-step
<b>Buffer</b>	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

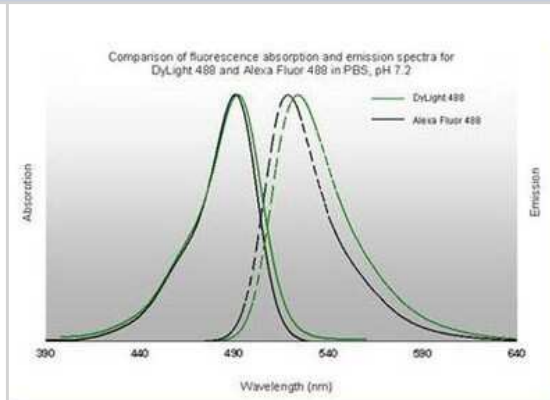
<b>Product Description</b>	
<b>Description</b>	<p>Store vial at 4C prior to restoration. For extended storage aliquot contents and freeze at -20C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several 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 IgM 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 IgM and Rat Serum</p>
<b>Host</b>	Goat
<b>Gene ID</b>	3507
<b>Gene Symbol</b>	IGHM
<b>Species</b>	Rat
<b>Specificity/Sensitivity</b>	No reaction was observed against other rat heavy or light chain proteins.
<b>Immunogen</b>	Rat IgM whole molecule
<b>Notes</b>	DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Dot Blot, Fluorophore-linked immunosorbent assay, Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 1:10000, Immunocytochemistry/ Immunofluorescence 1:5000, Dot Blot, Fluorophore-linked immunosorbent assay 1:20000
<b>Application Notes</b>	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.

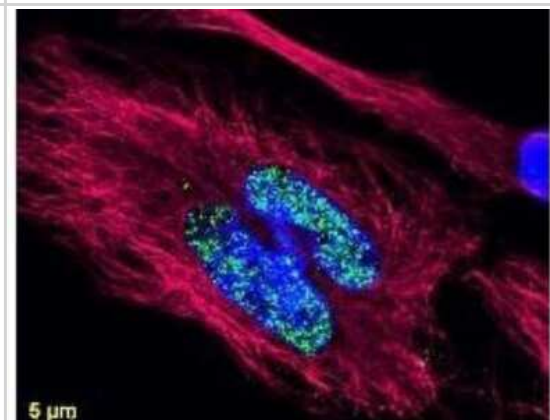


## Images

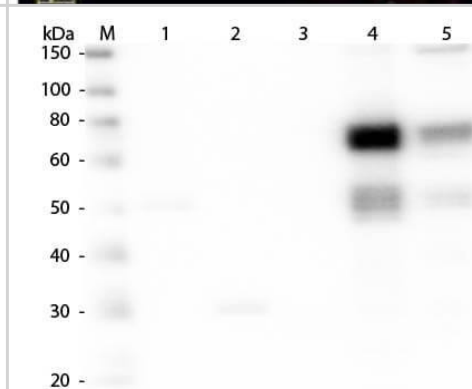
Fluorophore-linked immunosorbent assay: Goat anti-Rat IgM Heavy Chain Secondary Antibody [DyLight 488] [NBP1-72972] - Comparison of fluorescence adsorption and emission spectra for Dylight 488 and Alexa Fluor 488 in PBS, pH 7.2.



Dot Blot: Goat anti-Rat IgM Heavy Chain Secondary Antibody [DyLight 488] [NBP1-72972] - 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). The image was captured using an Axio Imager.Z1 (Zeiss Micro Imaging Inc).



Western Blot of Goat anti-Rat IgM Heavy Chain Secondary Antibody [DyLight 488]





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### **Products Related to NBP1-72972**

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NB100-524	NOD2 Antibody (2D9) - BSA Free
NBP1-96772	Human IgM Heavy Chain Isotype Control
7268-CT-100	CTLA-4 [Unconjugated]
NB200-541	Complement C4b/d Antibody (16D2)

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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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