

# Product Datasheet

## Rabbit anti-Mouse IgG2a Heavy Chain Secondary Antibody [DyLight 488] NBP1-72891

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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### Publications: 1

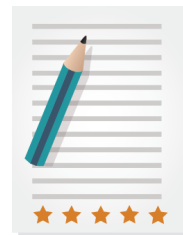
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**NBP1-72891**

Rabbit anti-Mouse IgG2a Heavy Chain Secondary Antibody [DyLight 488]

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

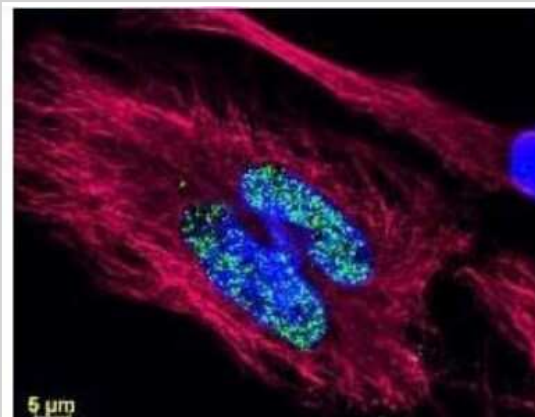
Product Description	
Description	<p>Store vial at 4C prior to restoration. For extended storage aliquot contents and freeze at -20C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p> <p>This product was prepared from monospecific antiserum by immunoaffinity chromatography using antigens 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, Mouse IgG and Mouse Serum</p>
Host	Rabbit
Species	Mouse
Specificity/Sensitivity	Minimal cross reactivity was noted against other Mouse immunoglobulin classes or subclasses.
Immunogen	Mouse IgG2a heavy chain
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
Recommended Dilutions	Western Blot 1:10000, Immunocytochemistry/ Immunofluorescence 1:5000, Fluorophore-linked immunosorbent assay 1:20000
Application Notes	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.

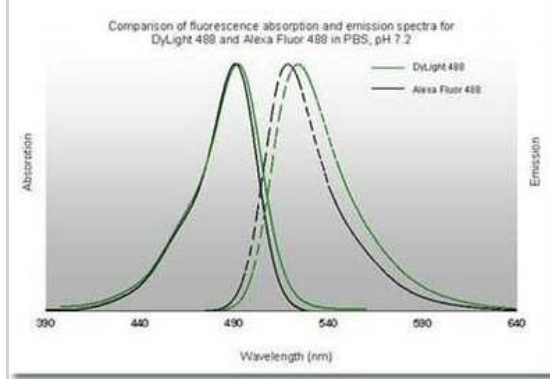


## Images

Fluorophore-linked immunosorbent assay: Rabbit anti-Mouse IgG2a Heavy Chain Secondary Antibody [DyLight 488] [NBP1-72891] - This image shows anti-histone detection using a DyLight (TM) 488 conjugate (green). Anti-Tubulin was detected using a DyLight (TM) 549 conjugate (red). Nuclei were counter-stained using DAPI (blue). The image was captured using an Axio Imager.Z1.



Fluorophore-linked immunosorbent assay: Rabbit anti-Mouse IgG2a Heavy Chain Secondary Antibody [DyLight 488] [NBP1-72891] - Comparison of fluorescence adsorption and emission spectra for DyLight 488 and Alexa Fluor 488 in PBS, pH 7.2.



## Publications

Flood MD, Wellington AJ, Cruz LA, Eggers ED Early diabetes impairs ON sustained ganglion cell light responses and adaptation without cell death or dopamine insensitivity Exp Eye Res 2020-09-10 [PMID: 32910942] (IF/IHC, Mouse)

Details:

Citation using the DyLight 550 version of this antibody.



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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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