

# Product Datasheet

## Myosin Light Chain 2 Antibody (3B9-B4) - Azide and BSA Free H00004633-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/H00004633-M01](http://www.novusbio.com/H00004633-M01)

Updated 2/21/2025 v.20.1

Earn rewards for product reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/H00004633-M01](http://www.novusbio.com/reviews/destination/H00004633-M01)



**H00004633-M01**

Myosin Light Chain 2 Antibody (3B9-B4) - Azide and BSA Free

Product Information	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	3B9-B4
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	IgG purified
<b>Buffer</b>	In 1x PBS, pH 7.4
Product Description	
<b>Description</b>	Quality control test: Antibody Reactive Against Recombinant Protein.
<b>Host</b>	Mouse
<b>Gene ID</b>	4633
<b>Gene Symbol</b>	MYL2
<b>Species</b>	Human, Rat
<b>Specificity/Sensitivity</b>	MYL2 - myosin, light polypeptide 2, regulatory, cardiac, slow
<b>Immunogen</b>	MYL2 (AAH15821.1, 1 a.a. ~ 166 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MAPKKAKKRAGGANSNVFSMFEQTQIQEFKEAFTIMDQNRDGFIDKNDLRDTF AALGRVNVKNEEIDEMIKEAPGPINFTVFLTMFGEKLGADPEETILNAFKVFDP EGKGVLKADYVREMLTTQAERFSKEEVDQMFAAFPDPVTGNLDYKNLVHIITH GEEKD
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Sandwich ELISA
<b>Recommended Dilutions</b>	Western Blot 1:500, ELISA, Immunocytochemistry/ Immunofluorescence 1:10-1:2000, Immunoprecipitation 1:10-1:500, Sandwich ELISA 1:100-1:2000
<b>Application Notes</b>	Antibody reactivity against Recombinant Protein with GST tag on ELISA and WB. GST tag alone is used as a negative control.

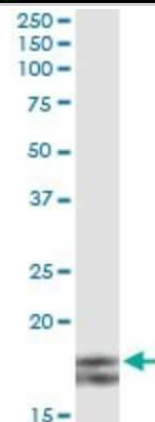


## Images

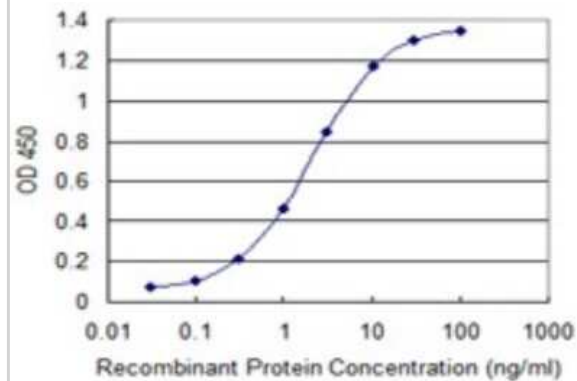
Immunocytochemistry/Immunofluorescence: Myosin Light Chain 2 Antibody (3B9-B4) [H00004633-M01] - Analysis of monoclonal antibody to MYL2 on HeLa cell . Antibody concentration 10 ug/ml.



Immunoprecipitation: Myosin Light Chain 2 Antibody (3B9-B4) [H00004633-M01] - Analysis of MYL2 transfected lysate using anti-MYL2 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with MYL2 MaxPab rabbit polyclonal antibody.



Sandwich ELISA: Myosin Light Chain 2 Antibody (3B9-B4) [H00004633-M01] - Detection limit for recombinant GST tagged MYL2 is 0.03 ng/ml as a capture antibody.



## Publications

Gannon J, Doran P, Kirwan A et al. Drastic increase of myosin light chain MLC-2 in senescent skeletal muscle indicates fast-to-slow fibre transition in sarcopenia of old age. *Eur J Cell Biol* 88(11):685-700. 2009-11-01 [PMID: 19616867]



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to H00004633-M01**

---

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBC1-18536	Recombinant Human Myosin Light Chain 2 His Protein

---

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/H00004633-M01](http://www.novusbio.com/reviews/submit/H00004633-M01)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

