

# Product Datasheet

## alpha 2-Macroglobulin Antibody [Biotin] NB600-939-0.1mg

Unit Size: 0.1 mg

Store lyophilized antibody at 4C in the dark. Aliquot reconstituted liquid and store at -20C. 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/NB600-939](http://www.novusbio.com/NB600-939)

Updated 10/23/2024 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/NB600-939](http://www.novusbio.com/reviews/destination/NB600-939)



**NB600-939-0.1mg**

alpha 2-Macroglobulin Antibody [Biotin]

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	Biotin
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

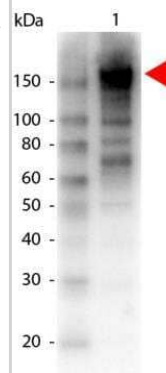
Product Description	
Description	<p>Store vial at 4C prior to restoration. For extended storage aliquot contents and freeze at -20C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p> <p>This antibody is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin and anti-Goat Serum as well as purified and partially purified alpha-2-MACROGLOBULIN [Human Plasma]</p>
Host	Goat
Gene ID	2
Gene Symbol	A2M
Species	Human
Reactivity Notes	Cross reactivity against alpha 2-Macroglobulin from other sources is unknown.
Immunogen	alpha 2-Macroglobulin [Human Plasma] (Uniprot: P01023)

Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot 1:2000-1:10000, ELISA 1:20000-1:100000
Application Notes	This product has been tested by western blot and is suitable to be assayed against 1.0 ug of alpha-2-MACROGLOBULIN in a standard capture ELISA using Peroxidase Conjugated Streptavidin and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:4,000 to 1:20,000 is suggested for this product.



## Images

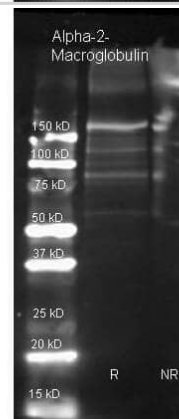
Western Blot: alpha 2-Macroglobulin Antibody [Biotin] [NB600-939] - Lane 1: alpha 2-Macroglobulin Antibody. Lane 2: none. Load: 100 ug per lane. Primary antibody: alpha 2-Macroglobulin biotin conjugated antibody at 1:1000 for overnight at 4C. Secondary antibody: HRP Streptavidin secondary antibody at 1:40,000 for 30 min at RT. Blocking buffer for 30 min at RT. Predicted/Observed size: 163 kDa, 178 kDa for Alpha-2-Macroglobulin. Other band(s): Alpha-2-Macroglobulin splice variants and isoforms.



Western Blot: alpha 2-Macroglobulin Antibody [Biotin] [NB600-939] - Goat anti Alpha-2-Macroglobulin antibody was used to detect alpha 2-Macroglobulin under reducing (R) and non-reducing (NR) conditions. Reduced samples of purified target proteins contained 4% BME and were boiled for 5 minutes. Samples of ~1ug of protein per lane were run by SDS-PAGE. Protein was transferred to nitrocellulose and probed with 1:3000 dilution of primary antibody. Detection shown was using Dylight 649 conjugated Donkey anti goat 1:10K in TBS 1 hr RT.



Goat anti Alpha-2-Macroglobulin antibody ( lot 20172) was used to detect Alpha-2-Macroglobulin under reducing (R) and non-reducing (NR) conditions. Reduced samples of purified target proteins contained 4% BME and were boiled for 5 minutes. Samples of ~1ug of protein per lane were run by SDS-PAGE. Protein was transferred to nitrocellulose and probed with 1:3000 dilution of primary antibody (ON 4 C in ). Detection shown was using Dylight 649 conjugated Donkey anti goat ( lot 20834 1:10K in TBS/ ) 1 hr RT. Images were collected using the BioRad VersaDoc System.



## Publications

Sidoli M, Reed CB, Scapin C et al. Calcineurin Activity Is Increased in Charcot-Marie-Tooth 1B Demyelinating Neuropathy J Neurosci 2021-04-21 [PMID: 33879538] (WB)

Details:

Citation using the Biotin format of this antibody.



### **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 NB600-939-0.1mg**

---

NBP2-29370	Streptavidin Native Protein
BAF108	Goat IgG Isotype Control [Biotin]
NBP1-85491PEP	alpha 2-Macroglobulin Recombinant Protein Antigen
210-TA-005	TNF-alpha [Unconjugated]

---

### **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/NB600-939](http://www.novusbio.com/reviews/submit/NB600-939)

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

