

# Product Datasheet

## alpha 2-Macroglobulin Antibody - BSA Free NB600-938-100ug

Unit Size: 100 ug

Store lyophilized antibody at 4C. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.

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### Publications: 1

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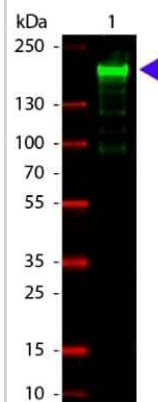
**NB600-938-100ug**

alpha 2-Macroglobulin Antibody - BSA Free

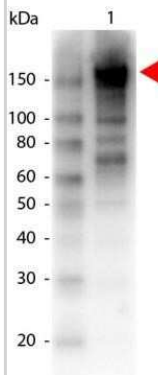
<b>Product Information</b>	
<b>Unit Size</b>	100 ug
<b>Concentration</b>	LYOPH mg/ml
<b>Storage</b>	Store lyophilized antibody at 4C. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Sodium Azide
<b>Reconstitution Instructions</b>	Reconstitute with 100 ul deionized water (or equivalent)
<b>Isotype</b>	IgG
<b>Purity</b>	Multi-step
<b>Buffer</b>	Lyophilized from 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Product Description</b>	
<b>Description</b>	<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-Goat Serum as well as purified and partially purified a2-Macroglobulin [Human Plasma]</p> <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>
<b>Host</b>	Goat
<b>Gene ID</b>	2
<b>Gene Symbol</b>	A2M
<b>Species</b>	Human
<b>Reactivity Notes</b>	Cross reactivity against alpha 2-Macroglobulin from other sources is unknown.
<b>Immunogen</b>	alpha 2-Macroglobulin [Human Plasma] (Uniprot: P01023)
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:2000-1:20000, ELISA 1:80000-1:400000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
<b>Application Notes</b>	This product has been tested by western blot and is suitable for ELISA and Immunohistochemistry applications. Anti-alpha-2-MACROGLOBULIN antibody should be optimized by the end user for the specific reactive conditions.

## Images

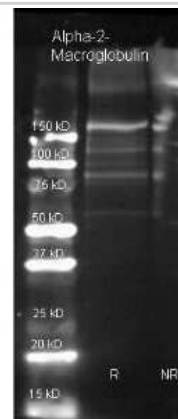
Western Blot: alpha 2-Macroglobulin Antibody [NB600-938] - Lane 1: Alpha-2-Macroglobulin. Lane 2: none. Load: 100 ug per lane. Primary antibody: Alpha-2-Macroglobulin antibody at 1:1000 for overnight at 4C. Secondary antibody: DyLight (TM) 800 goat secondary antibody at 1:20,000 for 30 min at RT. Block 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.



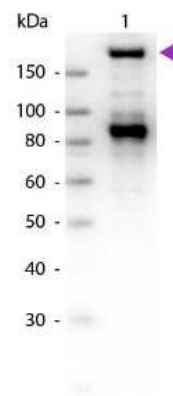
Western Blot: alpha 2-Macroglobulin Antibody [NB600-938] - Analysis using the Biotin conjugate of NB600-938. Detection of Lane 1: . Lane 2: none. Load: 100 ug per lane. Primary antibody: alpha 2-Macroglobulin biotin conjugated antibody at 1:1000 for overnight at 4C. Secondary antibody: HRP Streptavidin secondary antibody at 1:40,000 for 30 min.



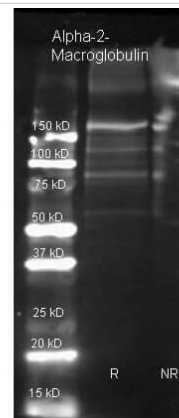
Western Blot: alpha 2-Macroglobulin Antibody [NB600-938] - Detection of Alpha-2-Macroglobulin under reducing (R) and non-reducing (NR) conditions. Reduced samples of purified target proteins contained 4% BME and were boiled for 5 minutes. Samples of 1ug of protein per lane were run by SDS-PAGE. Protein was transferred to nitrocellulose and probed with 1:3000 dilution of primary antibody. Detection shown was using Dylight 649 conjugated Donkey anti goat 1 hr RT.



Western Blot: alpha 2-Macroglobulin Antibody [NB600-938] - Lane 1: Alpha-2-Macroglobulin. Lane 2: None. Load: 50 ng per lane. Primary antibody: Alpha-2-Macroglobulin antibody at 1:1,000 overnight at 4C. Secondary antibody: Peroxidase goat secondary antibody at 1:40,000 for 30 min at RT. Block: incubated with blocking buffer for 30 min at RT. Predicted/Observed size: 163 kDa, 163 kDa for Alpha-2-Macroglobulin. Other band(s): Alpha-2-Macroglobulin splice variants and isoforms.



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.



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### Products Related to NB600-938-100ug

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HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
NBP1-85491PEP	alpha 2-Macroglobulin Recombinant Protein Antigen

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### 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.

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