

# Product Datasheet

## Plasminogen Antibody - BSA Free NB600-930-100ug

Unit Size: 100 ug

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

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**NB600-930-100ug**

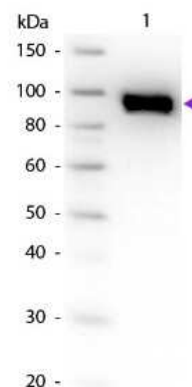
Plasminogen Antibody - BSA Free

Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store lyophilized antibody at 4C. 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
Purity	Multi-step
Buffer	Lyophilized from 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Product Description	
Description	<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 Plasminogen [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>
Host	Goat
Gene ID	5340
Gene Symbol	PLG
Species	Human, Rat
Reactivity Notes	Rat reactivity reported in scientific literature (PMID: 15075185).
Specificity/Sensitivity	Cross reactivity against Plasminogen from other sources is unknown.
Immunogen	Plasminogen [Human Plasma] (Uniprot: P00747)
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. This product is suitable to be assayed against 1.0 ug of Plasminogen [Human Plasma] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Goat IgG [H&L] (Rabbit) 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 1:16,000 of the reconstitution concentration is suggested for this product.

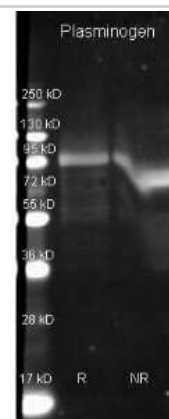


## Images

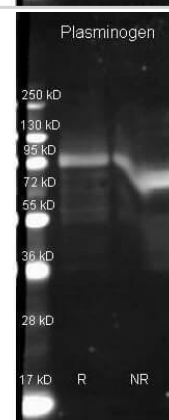
Western Blot: Plasminogen Antibody [NB600-930] - Lane 1: Plasminogen. Lane 2: None. Load: 50 ng per lane. Primary antibody: Plasminogen primary antibody at 1:1,000 overnight at 4C. Secondary antibody: Peroxidase goat secondary antibody at 1:40,000 for 60 min at RT. Blocking: incubated with blocking buffer for 30 min at RT. Predicted/Observed size: 91 kDa, 91 kDa for Plasminogen. Other band(s): None.



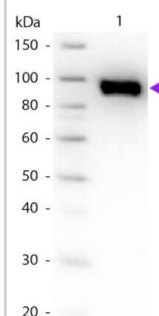
Western Blot: Plasminogen Antibody [NB600-930] - Detection of Plasminogen under reducing (R) and non-reducing (NR) conditions. Reduced samples of purified target proteins contained 4% BME and were boiled for 5 minutes. Samples of 1ug of protein per lane were run by SDS-PAGE. Protein was transferred to nitrocellulose and probed with 1:3000 dilution of primary antibody. Detection shown was using Dylight 649 conjugated Donkey anti goat 1 hr RT.



Goat anti Plasminogen antibody ( lot 6571) was used to detect Plasminogen 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.



Western blot of Goat Anti-Plasminogen primary antibody. Lane 1: Plasminogen. Lane 2: None. Load: 50 ng per lane. Primary antibody: Plasminogen primary antibody at 1:1,000 overnight at 4C. Secondary antibody: Peroxidase goat secondary antibody at 1:40,000 for 60 min at RT. Blocking: for 30 min at RT. Predicted/Observed size: 91 kDa, 91 kDa for Plasminogen. Other band(s): None.



## Publications

Basile DP, Fredrich K, Weihrauch D, Hattan N, Chilian WM Angiostatin and matrix metalloprotease expression following ischemic acute renal failure. *Am J Physiol Renal Physiol*. 2004-01-01 [PMID: 15075185] (WB, Rat)

Floden AM, Watt JA, Brissette CA. *Borrelia burgdorferi* Enolase Is a Surface-Exposed Plasminogen Binding Protein. *PLoS ONE* 20116(11). [PMID: 22087329]

Woodman ME, Cooley AE, Avdiushko R et al. Roles for phagocytic cells complement in controlling relapsing fever infection. *J Leukoc Biol*;86(3):727-736. 2009-01-01 [PMID: 19458267]

Brissette CA, Haupt K, Barthel D et al. *Borrelia burgdorferi* Infection-Associated Surface Proteins ErpP, ErpA, ErpC Bind Human Plasminogen. *Infect Immun*;77(1):300-306. 2009-01-01 [PMID: 19001079]

Verma A, Brissette CA, Bowman AA et al. Leptospiral endostatin-like protein A is a bacterial cell surface receptor for human plasminogen. *Infect Immun*;78(5):2053-9. 2010-05-01 [PMID: 20160016] (ELISA, Human)

Seling A, Siegel C, Fingerle V et al. Functional characterization of *Borrelia spielmanii* outer surface proteins that interact with distinct members of the human factor H protein family and with plasminogen. *Infect Immun*;78(1):39-48. 2010-01-01 [PMID: 19858303] (ELISA, Human)





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### **Products Related to NB600-930-100ug**

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NBL1-14513	Plasminogen Overexpression Lysate
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

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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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