

## Datasheet for 200-101-208

## Plasminogen Antibody

### Overview

|                      |                                                                            |
|----------------------|----------------------------------------------------------------------------|
| <b>Description:</b>  | Anti-Plasminogen (Human Plasma) (GOAT) Antibody (BULK ORDER) - 200-101-208 |
| <b>Item No.:</b>     | 200-101-208                                                                |
| <b>Size:</b>         | 50 mg                                                                      |
| <b>Applications:</b> | WB                                                                         |
| <b>Reactivity:</b>   | Human                                                                      |
| <b>Host Species:</b> | Goat                                                                       |

### Product Details

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Background:</b>   | Plasmin dissolves the fibrin of blood clots and acts as a proteolytic factor in a variety of other processes including embryonic development, tissue remodeling, tumor invasion, and inflammation. In ovulation, it weakens the walls of the Graafian follicle. It activates the urokinase-type plasminogen activator, collagenases, and several complement zymogens, such as C1 and C5. The cleavage of fibronectin and laminin leads to cell detachment and apoptosis. Also, it cleaves fibrin, thrombospondin, and von Willebrand factor. Its has roles in tissue remodeling and tumor invasion which may be modulated by CSPG4 and binds to cells. Angiostatin is an angiogenesis inhibitor that blocks neovascularization and growth of experimental primary and metastatic tumors in vivo. Plasmin is inactivated by alpha-2-antiplasmin immediately after dissociation from the clot. |
| <b>Synonyms:</b>     | goat anti-Plasminogen Antibody, Angiostatin antibody, Microplasmin antibody, Plasmin antibody, Plasmin heavy chain A antibody, Plasmin light chain B antibody, PLG antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Host Species:</b> | Goat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

### Target Details

|                        |                |
|------------------------|----------------|
| <b>Gene Name:</b>      | PLG            |
| <b>Reactivity:</b>     | Human          |
| <b>Immunogen Type:</b> | Native Protein |

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen:</b>          | Plasminogen [Human Plasma]                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity/Specificity:</b> | Anti-Plasminogen 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]. Cross reactivity against Plasminogen from other sources is unknown. |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li>• <a href="#">UniProtKB - P00747</a></li><li>• <a href="#">NCBI - P00747.2</a></li><li>• <a href="#">GeneID - 5340</a></li></ul>                                                                                                                                                                                                                                                                                                                          |

## Application Details

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| <b>Tested Applications:</b> | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Application Note:</b>    | Anti-Plasminogen Antibody 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) code #605-4302 and (ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid])) code # ABTS-100 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. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ELISA:</b>               | 1:20,000 - 1:100,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>WB:</b>                  | 1:2,000 - 1:10,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

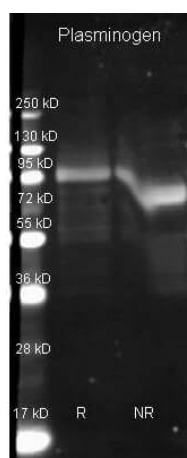
## Formulation

|                               |                                                            |
|-------------------------------|------------------------------------------------------------|
| <b>Physical State:</b>        | Lyophilized                                                |
| <b>Concentration:</b>         | 10.0 mg/mL by UV absorbance at 280 nm                      |
| <b>Buffer:</b>                | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| <b>Preservative:</b>          | 0.01% (w/v) Sodium Azide                                   |
| <b>Stabilizer:</b>            | None                                                       |
| <b>Reconstitution Volume:</b> | 5.0 mL                                                     |
| <b>Reconstitution Buffer:</b> | Restore with deionized water (or equivalent)               |

## Shipping & Handling

|                            |                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shipping Condition:</b> | Ambient                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage Condition:</b>  | Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C 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 4° C as an undiluted liquid. Dilute only prior to immediate use. |
| <b>Expiration:</b>         | Expiration date is one (1) year from date of receipt.                                                                                                                                                                                                                                                                                           |

## Images

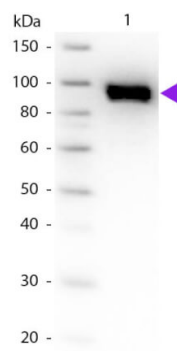


### Western Blot

Rockland Goat anti Plasminogen antibody (200-101-208 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 MB-070). Detection shown was using Dylight 649 conjugated Donkey anti goat (605-743-125 lot 20834 1:10K in TBS/MB-070) 1 hr RT. Images were collected using the BioRad VersaDoc System.

### Western Blot

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 4°C. Secondary antibody: Peroxidase goat secondary antibody at 1:40,000 for 60 min at RT. Blocking: MB-070 for 30 min at RT. Predicted/Observed size: 91 kDa, 91 kDa for Plasminogen. Other band(s): None.



## Disclaimer

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