

**Datasheet for 100-1177****Protein A Antibody****Overview**

|                      |                                           |
|----------------------|-------------------------------------------|
| <b>Description:</b>  | Anti-Protein A (GOAT) Antibody - 100-1177 |
| <b>Item No.:</b>     | 100-1177                                  |
| <b>Size:</b>         | 2 mL                                      |
| <b>Applications:</b> | WB                                        |
| <b>Reactivity:</b>   | Protein A                                 |
| <b>Host Species:</b> | Goat                                      |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | Protein A is a cell wall protein originating from the bacterium <i>Staphylococcus aureus</i> . Protein A binds to immunoglobulins through interaction with the IgG heavy chain within the Fc region. Affinity to Fc may vary depending on IgG species origins or subclasses. Protein A is predicted 42kDa based on sedimentation data and observed to run ~55-56kDa on SDS-Page. |
| <b>Synonyms:</b>     | Goat anti-Protein A Antibody, Goat anti Protein A                                                                                                                                                                                                                                                                                                                                |
| <b>Host Species:</b> | Goat                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Format:</b>       | Antiserum                                                                                                                                                                                                                                                                                                                                                                        |

**Target Details**

|                            |                                                                                                                                                                                                                                                                    |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity:</b>         | Protein A                                                                                                                                                                                                                                                          |
| <b>Immunogen Type:</b>     | Native Protein                                                                                                                                                                                                                                                     |
| <b>Immunogen:</b>          | Protein A [ <i>Staphylococcus aureus</i> ]                                                                                                                                                                                                                         |
| <b>Purity/Specificity:</b> | This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-goat serum, purified and partially purified Protein A [ <i>Staphylococcus aureus</i> ]. |

## Application Details

|                             |                                                                                                                                                                                                          |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b> | WB                                                                                                                                                                                                       |
| <b>Application Note:</b>    | Anti-Protein A has been tested by western blot and is suitable for immunoblotting (western or dot blot), ELISA, immunoprecipitation and most immunological methods requiring high titer and specificity. |
| <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>IHC:</b>                 | 1:1,000-1:5,000                                                                                                                                                                                          |
| <b>WB:</b>                  | 1:2,000-1:10,000                                                                                                                                                                                         |

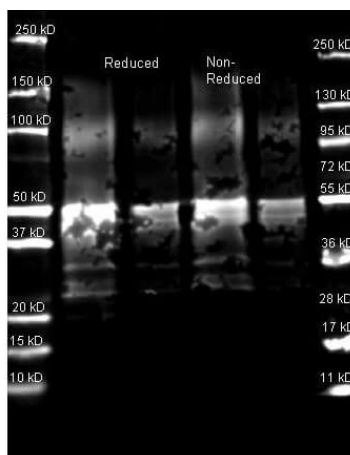
## Formulation

|                               |                                                         |
|-------------------------------|---------------------------------------------------------|
| <b>Physical State:</b>        | Lyophilized                                             |
| <b>Concentration:</b>         | 90 mg/mL by Refractometry                               |
| <b>Buffer:</b>                | 0.01 M Sodium 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> | 2.0 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 Protein A antibody (was used to detect Protein A under reducing and non-reducing conditions. Reduced samples of purified Protein A contained 4% BME and were boiled for 5 minutes. Samples of ~1ug and 0.25 ug of protein per lane were run by SDS-PAGE. Protein was transferred to nitrocellulose and probed with Rockland Goat anti Protein A antibody (200-1177 lot 17938 1:5K in MB-0070, ON 4 C). Primary antibody was detected with Rockland Dylight 649 conjugated Donkey anti Goat 605-743-125 lot 20834 1:10K 1.5 hr RT in MB-070 and imaged on the BioRad VersaDoc imaging system.

### Disclaimer

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