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Datasheet for 100-1177

# Protein A Antibody

## Overview

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

## Product Details

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| **Background:** | Protein A is a cell wall protein originating from the bacterium Staphylococcus aureus. 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. |
| **Synonyms:** | Goat anti-Protein A Antibody, Goat anti Protein A |
| **Host Species:** | Goat |
| **Clonality:** | Polyclonal |
| **Format:** | Antiserum |

## Target Details

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| **Reactivity:** | Protein A |
| **Immunogen Type:** | Native Protein |
| **Immunogen:** | Protein A [Staphylococcus aureus] |
| **Purity/Specificity:** | 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 [Staphylococcus aureus]. |

## Application Details

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| **Tested Applications:** | WB |
| **Application Note:** | 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. |
| **Assay Dilutions:** | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| **ELISA:** | 1:20,000-1:100,000 |
| **IHC:** | 1:1,000-1:5,000 |
| **WB:** | 1:2,000-1:10,000 |

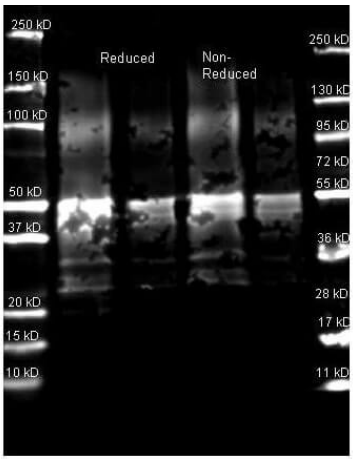
## Formulation

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| **Physical State:** | Lyophilized |
| **Concentration:** | 90 mg/mL by Refractometry |
| **Buffer:** | 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| **Preservative:** | 0.01% (w/v) Sodium Azide |
| **Stabilizer:** | None |
| **Reconstitution Volume:** | 2.0 mL |
| **Reconstitution Buffer:** | Restore with deionized water (or equivalent) |

## Shipping & Handling

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| **Shipping Condition:** | Ambient |
| **Storage Condition:** | 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. |
| **Expiration:** | 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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