

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

Background:	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.
Synonyms:	Goat anti-Protein A Antibody, Goat anti Protein A
Host Species:	Goat
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Reactivity:	Protein A
Immunogen Type:	Native Protein
Immunogen:	Protein A [<i>Staphylococcus aureus</i>]
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 [<i>Staphylococcus aureus</i>].

Application Details

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

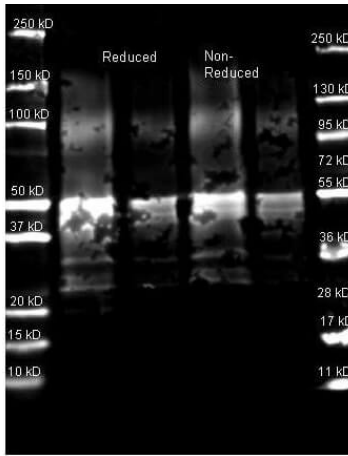
Formulation

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

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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