



# GENEMED SYNTHESIS, INC.

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## Product Data Sheet

### Goat Anti-Protein A IgG and Biotin Conjugate

<b>Cat #.</b> PRTA12-A	Goat Anti-Protein A IgG, aff pure	<b>Size:</b> 100 ug
	<b>Form:</b> Liquid	Powder
<b>Cat #.</b> PRTA12-BTN	Goat Anti-Protein A IgG-Biotin Conjugate	<b>Size:</b> 0.1 ml
	<b>Form:</b> Liquid	Powder

### Description

Recombinant Protein A from *Staphylococcus aureus* Cowan I is expressed in Bacillus and purified (>98%, ~45 kDa).

Goats were immunized with antigen grade Protein-A. Antibodies (IgG) was purified from serum and affinity chromatography using Protein-A Agarose column. Specificity has been tested using IEP, immunodiffusion, and ELISA. The product reacts with Protein-A.

### Cat# PRTA12-A,

Affinity purified antibody is supplied in PBS, pH 7.4 in liquid (100 ug/100ul) or in powder form. Reconstitute powder in PBS at 1 mg/ml. Store at -20oC or below in suitable aliquots.

### Cat# PRTA12-BTN,

Purified antibody was coupled to Biotin using GSI Biotinylation kit # EW-80300 at F/P ratio ~10-20:1. The antibody is supplied in PBS, pH 7.4, 0.2% BSA and 0.05% azide in either **lyophilized** (0.1 ml) or **liquid** form (0.1 ml). Reconstitute powder in PBS in 0.1 ml to prepare 1 mg/ml solution. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested conjugate dilutions are 1:1,000-1:10,000 ELISA, 1:1K-1:5K for western, and 1:200-1:1000 (IHC).

### Recommended Working Dilution for ELISA

Working dilution for the specific application should be determined by the investigator to obtain the best conditions. However, dilution of 1:1000-1:5000 is recommended for Western. A dilution of 1:5000-1:20,000 is recommended for ELISA. Working solution should be prepared

immediately before use and diluted solution should be discarded.

### Related Material available for GSI

Single solution, ready to use, TMB substrates for Blotting & ELISA

Anti-Rabbit, Mouse, Human, Goat, Goat IgG-BTN conjugates

StainAll reversible dye for Immunoblotting (visualize transfer of proteins on blotting membranes within seconds)

**Western blot recycling kit** (Use the same blot/strip to probe with multiple antibodies)

**Strip Antibodies in 5 minutes** (no heating or mercaptoethanol)

### Chemiluminescence Substrates and Western blot kits

(save by complete kit that includes Anti-rabbit IgG-BTN conjugate, blocking buffer, wash buffer, and Chemiluminescence Substrates for processing 15-30 std size blots).

In vitro research use only.

**MSDS:** This product is considered non-hazardous as defined by OSHA (CFR 1910.1200. Nov 25, 1983). It can be disposed of in the drain.

### Protein-A ELISA Kits

PRTA12-A-, PRTA12-BTN 140228VP