

**Anti-STREPTAVIDIN (RABBIT) Antibody Biotin Conjugated (BULK ORDER)**  
**Streptavidin Antibody Biotin Conjugated**  
**Catalog # ASR5943****Specification****Anti-STREPTAVIDIN (RABBIT) Antibody Biotin Conjugated (BULK ORDER) - Product Information**

Host	Rabbit
Conjugate	Biotin
Clonality	Polyclonal
Application	E, I, LCI
Application Note	Biotin Conjugated Anti-Streptavidin Antibody has been tested by dot blot and is suitable to be assayed by ELISA for the detection of streptavidin in a standard ELISA using Peroxidase as a reporter. A working dilution of 1:10,000 to 1:400,000 of the reconstitution concentration is suggested for this product. Optimization of the concentration in immunoassays should be performed by the researcher.
Physical State	Lyophilized
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Streptavidin ( <i>Streptomyces avidinii</i> )
Reconstitution Volume	1.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Sodium Azide

**Anti-STREPTAVIDIN (RABBIT) Antibody Biotin Conjugated (BULK ORDER) - Additional Information****Purity**

Streptavidin Antibody Biotin Conjugated was prepared from monospecific antiserum by delipidation, defibrination, salt fractionation and ion exchange chromatography. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-biotin, anti-Rabbit Serum and Streptavidin. No reaction was observed against Avidin.

**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.

**Precautions Note**

This product is for research use only and is not intended for therapeutic or diagnostic applications.

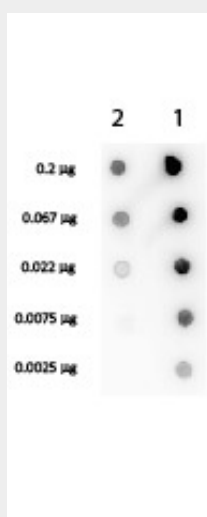
## **Anti-STREPTAVIDIN (RABBIT) Antibody Biotin Conjugated (BULK ORDER) - Protein Information**

## **Anti-STREPTAVIDIN (RABBIT) Antibody Biotin Conjugated (BULK ORDER) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **Anti-STREPTAVIDIN (RABBIT) Antibody Biotin Conjugated (BULK ORDER) - Images**



Dot Blot of Rabbit anti-Streptavidin Biotin Conjugated. Antigen: Lane 1 - Biotin conjugated Streptavidin Antibody. Lane 2 - Streptavidin Antibody. Load: 3-fold serial dilution starting at 200 ng. Secondary antibody: HRP Streptavidin at 1:40,000 for 60 min at RT. Block: 1% BSA-TTBS 30 min at RT.

## **Anti-STREPTAVIDIN (RABBIT) Antibody Biotin Conjugated (BULK ORDER) - Background**

Anti-Streptavidin Antibody is Biotin Conjugated and detects streptavidin. Biotin is widely used throughout the biotechnology industry to conjugate proteins for biochemical assays. Biotin's small size typically does not affect the biological activity of protein upon biotinylation. Streptavidin and avidin bind biotin with high affinity ( $K_d$  of 10–14 mol/l to 10–15 mol/l) and thus biotinylated proteins of interest can be enriched from a sample due to this highly stable interaction. Biotin conjugated anti-streptavidins are used as an amplifying reagent in immunohistochemistry, microarray assays, ELISAs, blots, and other applications. This antibody reagent can bind to streptavidin through the antibody F(ab) or can be bound by streptavidin through the high affinity biotin-streptavidin interaction.