

Product datasheet for **TA396913S**

Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	ELISA: 1:2,000-1:20,000
Reactivity:	Streptomyces avidinii
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Streptavidin (Streptomyces avidinii)
Specificity:	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.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	1.0 mg/mL - lot specific
Conjugation:	Biotin
Storage:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Stability:	Expiration date is one (1) year from date of receipt.

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Background:

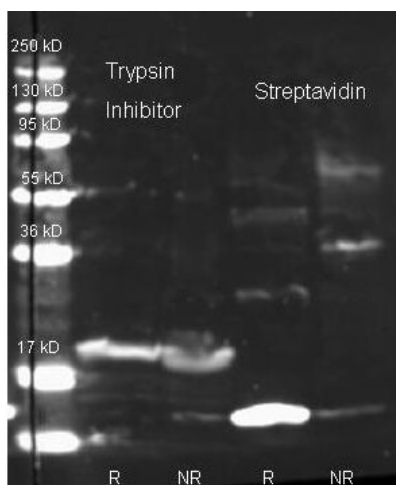
Anti-Streptavidin Antibody is Biotin Conjugated and detects streptavidin. Biotin is widely used throughout the biotechnology industry to conjugate proteins for biochemical assays. Biotin's small size typically does not affect the biological activity of protein upon biotinylation. Streptavidin and avidin 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.

Synonyms:

rabbit anti-Streptavidin Antibody biotin Conjugation, biotin conjugated rabbit anti-Streptavidin antibody, Anti-Streptavidin BAC Antibody

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.

Product images:


Western Blot of Rabbit Anti-Trypsin Inhibitor Antibody and Rabbit Anti-Streptavidin Antibody. Lane 1: Trypsin Inhibitor reduced. Lane 2: Trypsin Inhibitor non-reduced. Lane 3: Streptavidin reduced. Lane 4: Streptavidin non-reduced. Load: ~1ug per lane. Primary antibody: Primary antibody at 1:1000 for overnight at 4°C. Secondary antibody: Dylight 649 conjugated Donkey anti rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: MB-070 overnight at 4°C. Predicted/Observed size: 18.8 kDa, ~15 kDa for Streptavidin, 24 kDa, ~20 kDa for Trypsin Inhibitor. Other band(s): none.