

Datasheet for ABIN5596791
anti-Streptavidin antibody (Biotin)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	Streptavidin
Reactivity:	Streptomyces avidinii
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Streptavidin antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Immunogen: Streptavidin (Streptomyces avidinii) Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	No reaction was observed against Avidin.
Purification:	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.

Target Details

Target:	Streptavidin
Abstract:	Streptavidin Products

Target Details

Background:	Synonyms: BAC, Streptavidin Biotin, Anti-Streptavidin BAC Antibody 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.
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Application Details

Application Notes:	Application Note: Biotin Conjugated Anti-Streptavidin Antibody has been 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. ELISA Dilution: 1:2,000-1:20,000
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Restrictions:	For Research Use only
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Handling

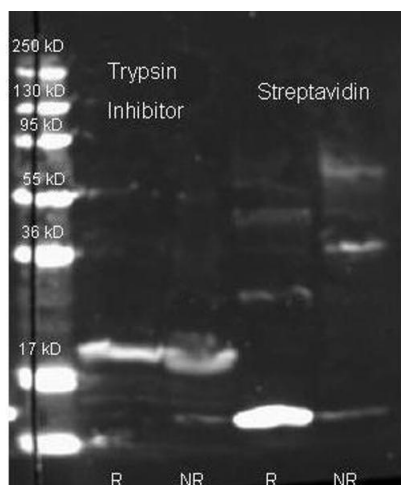
Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 100 μ L Reconstitution Buffer: Restore with deionized water (or equivalent)
Concentration:	1.0 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C

Handling

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.

Expiry Date: 12 months

Images



Western Blotting

Image 1. 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: ABIN925618 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.