Product datasheet for TA396923S

Rabbit Polyclonal Antibody

Product data:

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Product Type:	Primary Antibodies
Applications:	FC, IF
Recommended Dilution:	**IF**: 1:100-1:500 **FC**: User Optimized **FLISA**: User Optimized
Reactivity:	Streptomyces avidinii
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Streptavidin (Streptomyces avidinii)
Specificity:	Streptavidin Antibody Texas Red™ Conjugated was prepared from monospecific antiserum by delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against 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:	Texas Red
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:	STREPTAVIDIN antibody is a 60 kDa protein purified from the bacterium Streptomyces avidinii. Streptavidin homo-tetramers have an extraordinarily high affinity for biotin (also known as vitamin B7). With a dissociation constant (Kd) on the order of ≈10−14 mol/L,[1] the binding of biotin to streptavidin is one of the strongest non-covalent interactions known in nature. Streptavidin is used extensively in molecular biology and bio-nanotechnology due to the streptavidin-biotin complex's resistance to organic solvents, denaturants (e.g. guanidinium chloride), detergents (e.g. SDS, Triton), proteolytic enzymes, and extremes of temperature and pH. Anti-STREPTAVIDIN antibody is ideal for investigators involved in GFP and Epitope research.
Synonyms:	rabbit anti-Streptavidin Antibody Texas Red™ Conjugation, Texas Red™ conjugated rabbit anti-Streptavidin antibody, Anti-Streptavidin Texas Red™ Antibody
Note:	Streptavidin Antibody Texas Red™ Conjugated antibody has been tested by dot blot and western blot and are designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.

Product images:
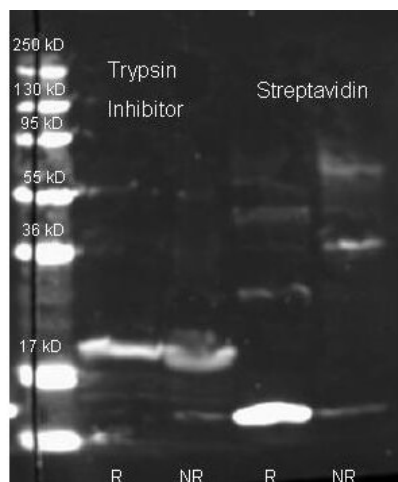
Rockland Rabbit anti Streptavidin (200-4195 lot 23495) and Biotin conjugated Rabbit anti-trypsin inhibitor antibody (200-4679 lot 6594) were used to detect target proteins Trypsin Inhibitor (left) and Streptavidin (right) under reducing (R) and non-reducing (NR) conditions. Reduced samples of purified target proteins contained 4% BME and were boiled for 5 minutes. Samples of ~1ug of protein per lane were run by SDS-PAGE. Protein was transferred to nitrocellulose and probed with 1:1000 dilution of primary antibody (ON 4 C). Detection shown was using Dylight 649 conjugated Donkey anti rabbit (611-743-127 lot 20831 1:10K 1.5 hr RT in MB-070) and imaged on the BioRad VersaDoc System