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Product datasheet for TA396903

Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	**ELISA**: 1:2,000-1:10,000
Reactivity:	Streptomyces avidinii
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Streptavidin [Streptomyces avidinii]
Specificity:	Streptavidin Antibody Peroxidase Conjugate is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes 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-Peroxidase, anti-Rabbit Serum as well as purified and partially purified Streptavidin [Streptomyces avidinii]. No cross reactivity occurs against avidin.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Method:	Restore with deionized water (or equivalent) - Reconstitution Volume: 100 µL
Concentration:	1.0 mg/mL - lot specific
Conjugation:	HRP
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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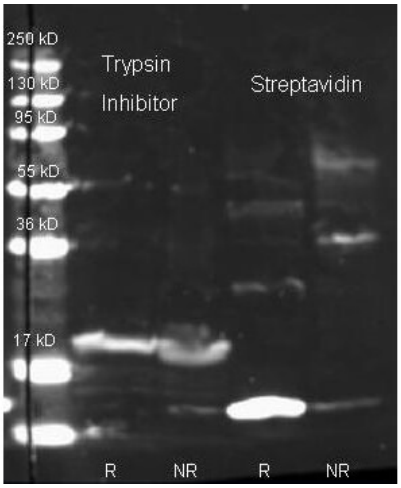
Background: Anti-streptavidin antibody detects Streptavidin, a 60 kDa protein purified from the bacterium Streptomyces avidinii. Streptavidin is a homo-tetrameric protein having a very high affinity for biotin (vitamin B7). Streptavidin bound biotin has a dissociation constant (Kd) on the order of about 10^−14 mol/L. Streptavidin and biotin are used extensively in molecular biology and bionanotechnology due to the resistance of streptavidin-biotin complex to organic solvents, denaturants (e.g. guanidinium chloride), detergents (e.g. SDS, Triton), proteolytic enzymes, and extremes of temperature and pH.

Synonyms: rabbit anti-Streptavidin Antibody HRP Conjugation, Peroxidase conjugated rabbit anti-Streptavidin antibody, Anti-Streptavidin HRP Antibody

Note: Anti-Streptavidin Peroxidase antibody has been tested by ELISA and western blot. This product has been assayed against 1.0 ug of Streptavidin in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) for 30 minutes at room temperature. Optimal concentrations in immunoassays should be determined by researcher.

Product images:



Western Blot of 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 1.5 hours at RT. Block: MB-070 overnight at 4°C. Other band(s): none.

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