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Streptavidin - Rhodamine

Alternate names: StAv

Catalog No.: RA021T

Quantity: 1 mg

Concentration: 1.0 mg/ml (by UV absorbance at 280 nm)

Uniprot ID: P22629

NCBI: 1895

Source: S. avidinii

Format:
State: Lyophilized purifed Ig fraction
Purity: Prepared from pure Streptavidin as determined by electrophoresis.
Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, containing 10 mg/ml Bovine Serum Albumin (BSA, IgG and Protease free) as stabilizer and 0.01% (w/v) Sodium Azide as preservative.
Label: Tetramethylrhodamine isothiocyanate (TRITC) (Molecular Weight 444 daltons).
Absorption/Emission Wavelength: 550 nm/570 nm
FITC/Protein Ratio: 2.7 moles TRITC per mole of Streptavidin.
Reconstitution: Restore with 1.0 ml of deionized water (or equivalent).

Applications:
FLISA: 1/10000 - 1/50000.
Immunofluorescence: 1/1000 - 1/5000.
Fluorescent Western blotting.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Description: Rhodamine conjugated Streptavidin

Add. Information: Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Streptavidin.
No reaction was observed against anti-Avidin.

Storage:
Store vial at 2-8°C prior to restoration.
For extended storage reconstitute product with 50% glycerol instead of water and then aliquot
contents and freeze at -20°C or below.
Centrifuge product if not completely clear after standing at room temperature. This product is stable for one month at 2-8°C as an undiluted liquid. Dilute only prior to immediate use.
Avoid cycles of freezing and thawing.
Shelf life: one year from despatch.

General References:
1. J.A. Titus, P.P. Haugland, S.D. Sharrow, D.M. Segal J. Immunol. Methods 50; 193, (1982).