

Streptavidin - Texas Red

Alternate names:	StAv
Catalog No.:	RA021TR
Quantity:	1 mg
Concentration:	1.0 mg/ml (by UV absorbance at 280 nm)
Background:	Streptavidin, a tetrameric protein secreted by <i>Streptomyces avidinii</i> , binds tightly to a small growth factor biotin. It finds wide use in molecular biology through its extraordinarily strong affinity for the vitamin biotin; the dissociation constant (K _d) of the biotin-streptavidin complex is on the order of ~10-15 mol/L. The high affinity recognition of biotin and biotinylated molecules has made streptavidin one of the most important components in diagnostics and laboratory kits.
Uniprot ID:	P22629
NCBI:	1895
Source:	<i>S. avidinii</i>
Format:	State: Lyophilized purified Ig fraction. Purity: Prepared from chromatographically purified Streptavidin. 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 and 0.01% (w/v) Sodium Azide as preservative. Label: Conjugated to Texas Red - Sulfonyl Chloride (Molecular Weight 625 daltons). Absorption/Emission: 596 nm/620 nm. Fluorochrome/Protein Ratio: 2.0 moles Texas Red™ per mole of Streptavidin. Reconstitution: Restore with 1.0 ml of deionized water (or equivalent).
Applications:	This product is 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. Recommended Dilutions: FLISA: 1/10,000-1/50,000. Flow Cytometry: 1/500-1/2,500. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Description:	Purified Streptavidin (<i>Streptomyces Avidinii</i>).
Add. Information:	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Streptavidin. No reaction was observed against anti-Avidin.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

Storage:

Store vial at 2-8°C prior to restoration. For extended storage mix product with glycerol to 50% 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 several weeks 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: Conjugation References: Modified from J.A. Titus, P.P. Haugland, S.D. Sharrow, D.M. Segal J. Immunol. Methods 50; 193, 1982.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com