

Streptavidin - FITC

Alternate names:	StAv
Catalog No.:	RA021F
Quantity:	1 mg
Concentration:	1.0 mg/ml (by UV absorbance at 280 nm)
Background:	Streptavidin is a tetrameric protein purified from <i>Streptomyces</i> sp. that binds very tightly to the vitamin biotin with a K_d of ~ 10-14 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 Purity: : Prepared from Chromatographically pure Streptavidin. Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 containing 10 mg/ml BSA (IgG and Protease free) and 0.01% (w/v) Sodium Azide as preservative. Label: Fluorescein isothiocyanate (FITC) (Molecular Weight 390 Da). Absorption/Emission Wavelength: 495 nm/528 nm Fluorochrome/Protein Ratio: 2.2 moles FITC per mole of Streptavidin. Reconstitution: Restore with 1.0 ml of deionized water (or equivalent).
Applications:	Suitable for Immunofluorescence Microscopy and Flow Cytometry or FACS analysis as well as other antibody based fluorescent assays. Recommended Dilutions: FLISA: 1/10,000-1/50,000. IF Microscopy: 1/1,000-1/5,000. 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:	Fluorescein Conjugated Streptavidin
Add. Information:	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Fluorescein and anti-Streptavidin.
Storage:	Store vial at 2-8°C prior to restoration. For extended storage 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.

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

General References: 1. The and Feltkamp, Immunology 18; 865, 1970 (Conjugation).

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