

Streptavidin Antibody

Streptavidin antibody (FITC)

CATALOG #	REACTIVITY	APPLICATIONS
AAA75067	Does not cross-react with Avid. Specific for Streptavidin	Immunofluorescence, Flow Cytometry, Functional Assay

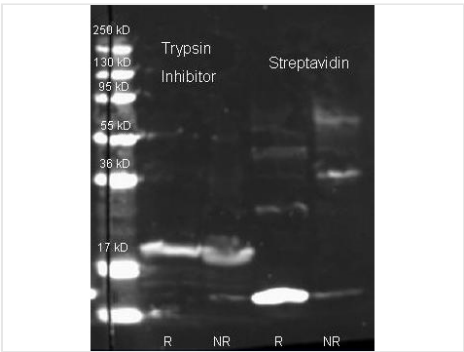
PRODUCT SYNONYMS

Streptavidin; Streptavidin antibody (FITC); Polyclonal Streptavidin; Anti-Streptavidin; anti-Streptavidin antibody

PRODUCT SPECIFICATIONS

Reactivity	Does not cross-react with Avid. Specific for Streptavidin
Specificity	Streptomyces avidinii streptavidin
Purity/Purification	Streptavidin antibody (FITC) was purified by delipidation, salt fractionation and ion exchange chromatography followed by dialysis.
Form/Format	IgG fraction supplied as a liquid in 20mM Potassium Phosphate, 150mM Sodium Chloride, pH 7.2, with 10mg/ml BSA (IgG and Protease free) as a stabilizer, and 0.01% Sodium Azide as a preservative.
Concentration	5.0mg/ml (by UV absorbance at 280nm) (varies by lot)
Applicable Applications for anti-Streptavidin antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Streptavidin (Streptomyces avidinii)
F/P Ratio	4.0 moles FITC per mole of Rabbit IgG
Tag	FITC
Biohazard Information	This product contains sodium azide as preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.
Biological Significance	Streptavidin is a 52,800 dalton tetrameric protein purified from the bacterium Streptomyces avidinii. It has an extraordinarily high affinity for biotin (also known as vitamin B7); the dissociation constant (K _d) of the biotin-streptavidin complex is on the order of ~10 ⁻¹⁴ mol/L, making it one of the strongest non-covalent interactions known in nature. It is used extensively in molecular biology and bionanotechnology as, in addition to the high affinity, biotin-binding is resistant to extremes of pH, temperature, organic solvents, denaturants, detergents and proteolytic enzymes.
Preparation and Storage	Short Term: 4°C Long Term: -20°C

IMAGES



WB (Western Blot)

Western Blot analysis using Streptavidin antibodyStreptavidin and Biotin conj ugated Rabbit anti-Trypsin inhibitor antibody 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 ~1 ug 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 Donkey anti Rabbit (Dylight 649) (1:10, 000 1. 5 hr RT in blocking buffer) and imaged on the BioRad VersaDoc System.

ADDITIONAL INFORMATION

Related Product Information for anti-Streptavidin antibody	Rabbit polyclonal Streptavidin antibody (FITC) conjugated
Product Categories/Family for anti-Streptavidin antibody	Conjugated Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	21340185
NCBI Official Full Name	streptavidin, partial

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/antibody/streptavidin/75067>