

Datasheet for ABIN7121097  
**anti-Streptavidin antibody (FITC)**



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1 Image

## Overview

Quantity:	100 µg
Target:	Streptavidin
Reactivity:	Streptomyces avidinii
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Streptavidin antibody is conjugated to FITC
Application:	Flow Cytometry (FACS), Immunofluorescence (IF)

## Product Details

Immunogen:	Streptavidin antibody (FITC) was raised in rabbit using streptavidin as the immunogen.
Purification:	Ion exchange chromatography

## Target Details

Target:	Streptavidin
Abstract:	<a href="#">Streptavidin Products</a>
Background:	Streptavidin is a 52,800 dalton tetrameric protein purified from the bacterium <i>Streptomyces avidinii</i> . It has an extraordinarily high affinity for biotin (also known as vitamin B7), the dissociation constant (K <sub>d</sub> ) of the biotin-streptavidin complex is on the order of 10 <sup>-14</sup> 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

## Target Details

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proteolytic enzymes.

## Application Details

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Application Notes: FC: 1:2,000-1:10,000, IF: 1:500-1:2,500, OTHER: FC: 1:2,000-1:10,000  
Optimal conditions should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: Lot specific

Buffer: IgG fraction supplied as a liquid in 20 mM Potassium Phosphate, 150 mM Sodium Chloride, pH 7.2, with 10 mg/mL BSA (IgG and Protease free) as a stabilizer, and 0.01 % NaN<sub>3</sub> as a preservative.

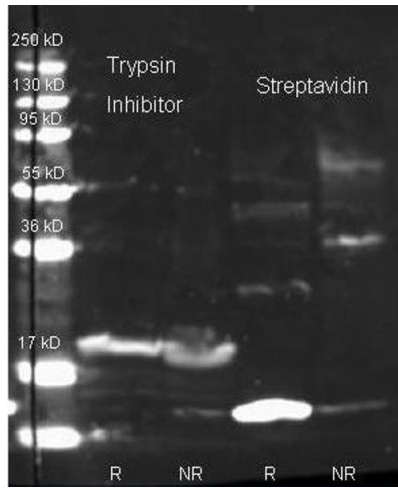
Preservative: Sodium azide

Precaution of Use: This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze/thaw cycles.  
Product is photosensitive and should be protected from light.  
Dilute only prior to immediate use.

Storage: 4 °C/-20 °C

Storage Comment: Store at 4 °C or aliquot and freeze at -20 °C for long term storage.



### Western Blotting

**Image 1.** Streptavidin and Biotin conjugated 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