

# Streptavidin (FITC)

**Cat. No. GTX85911**
**Applications**

ICC/IF, IHC-P, FCM

**Package**

500 µg

**PRODUCT**
**Summary**

Streptavidin is a 55 kDa (subunit MW 14 kDa) biotin-binding protein isolated from Streptomyces avidini. Streptavidin is superior to avidin, because it does not contain carbohydrate like avidin and has no net charge at neutral pH. Streptavidin~biotin system is routinely used in Immunohistochemistry (IHC). Extinction Coefficient 1% A280=32.0; Electrophoretically homogenous, single band. Protein content: > 95%; One mg of Streptavidin is conjugated with FITC, unconjugated Streptavidin is removed. This conjugate of streptavidin is recommended for use with Biotin~conjugated antibodies. Avidin~Biotin conjugated reagents are stable, sensitive and give less background. Fluorophore: Fluorescein isothiocyanate A max=492nm; E=520nm; Fluorophore/Protein: A492nm/A280nm=~1

**Applications**
**Application Note**

\*Optimal dilutions/concentrations should be determined by the researcher.

**Suggested dilution**
**Recommended dilution**

ICC/IF

Assay dependent

IHC-P

Assay dependent

FCM

Assay dependent

Not tested in other applications.

**Properties**
**Form**

Liquid

**Buffer**

10mM Phosphate, 150mM NaCl, 1% BSA

**Preservative**

0.05% Sodium azide

**Storage**

Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. Protect from light.

**Conjugation**

 Fluorescein isothiocyanate (FITC) [Wavelength](#)
**Note**

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.



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