

Streptavidin (FITC)

Cat. No. GTX30950

Applications

ICC/IF, IHC-P, FCM

Package

1 mg

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. 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.

Concentration

1 mg/ml (Please refer to the vial label for the specific concentration.)

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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