



STREPTAVIDIN, FLUORESCIN

SKU: SA-5001-1



DESCRIPTION

Streptavidin, fluorescein (FITC) can be used to detect biotinylated secondary antibodies and other macromolecules in applications such as immunofluorescence, in situ hybridization, or flow cytometry. Amplification of fluorescent signals can be easily achieved with our highly purified fluorescein labeled streptavidin.

Features:

- Recommended for routine immunofluorescence applications
- Extremely high affinity for biotin
- Has an optimal fluorochrome to protein ratio
- Compared to conventional primary and secondary fluorescent techniques, can provide greater sensitivity and lower background staining
- Excitation maximum at 495 nm
- Emission maximum at about 515 nm
- Color: Green

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.



SPECIFICATIONS

Color of Fluorescence Green

Format Concentrate

Formulation 10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide.

Maximum Emission 514-521 nm

Maximum Excitation 495-500 nm

Unit Size 1 mg

Storage Instructions 2-8 °C

For diluting this product, we recommend a HEPES-, bicarbonate- or phosphate- buffered saline solution, approximately pH 8.2.

Usage Summary Avoid using RPMI 1640 or other biotin-containing solutions as diluents. Serum also can contain biotin and should not be added to diluents. The recommended range of concentrations for staining of cells or tissues is 5-30 µg/ml.

Applications Immunofluorescence, In situ hybridization, Flow Cytometry/Cell Separation

Concentration 1.0 mg active conjugate/ml

Conjugate Fluorescein

TECHNICAL INFORMATION

Vector Laboratories fluorochrome-conjugated streptavidin and avidin reagents are highly purified and possess very low non-specific binding properties. Using a biotin/avidin or biotin/streptavidin detection system results in an additional layer of amplification over a directly conjugated secondary antibody.

CITATIONS



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DOCUMENTS

- [Safety Data Sheet](#)
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GALLERY IMAGES



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