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STREPTAVIDIN, FLUORESCEIN

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

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

GALLERY IMAGES



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