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STREPTAVIDIN, TEXAS RED™

SKU: SA-5006-1



DESCRIPTION

Texas Red Streptavidin is a highly fluorescent conjugate of streptavidin and sulforhodamine 101. It can be used to detect biotinylated secondary antibodies and other macromolecules in applications such as immunofluorescence, in situ hybridization, or flow cytometry.

Features:

• Highly purified and possesses very low non-specific binding properties
• Has a high fluorochrome to protein ratio
• Compared to conventional primary and secondary fluorescent techniques, can provide greater sensitivity and lower background staining
• Excitation maximum: 595 nm
• Emission maximum: 615 nm
• Color: Red

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SPECIFICATIONS

Color of Fluorescence	Red
Format	Concentrate
Formulation	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide
Maximum Emission	606-615 nm
Maximum Excitation	595-604 nm
Unit Size	1 mg
Storage Instructions	2-8 °C
Usage Summary	The recommended concentration range for use is 5-30 µg/ml.
Applications	Immunofluorescence, In situ hybridization, Flow Cytometry/Cell Separation
Concentration	1.0 mg/ml active conjugate
Conjugate	Texas Red

TECHNICAL INFORMATION

Vector Laboratories fluorochrome-conjugated streptavidin and avidin reagents are highly purified and possess very low non-specific binding properties. They have extremely high affinity for biotin. Amplification of fluorescent signals can be easily achieved with our biotinylated secondary antibodies followed by our highly purified fluorochrome-labeled streptavidin or avidin. Using a biotin/avidin or biotin/streptavidin detection system results in an additional layer of amplification over a directly conjugated secondary antibody.

Since the excitation and emission maxima are well separated from those of fluorescein, Texas Red Streptavidin can be employed with Fluorescein Streptavidin or other fluorescein conjugates to simultaneously localize two antigens in the same tissue section. Texas Red Streptavidin is also ideal for flow cytometry using instruments equipped with dye lasers.

CITATIONS

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DOCUMENTS

- Safety Data Sheet
- Download CoA
- Datasheet

GALLERY IMAGES



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