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STREPTAVIDIN, DYLIGHT™ 649

SKU: SA-5649-1



DESCRIPTION

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. These fluorescent conjugates can be used to detect biotinylated secondary antibodies and other macromolecules in applications such as immunofluorescence, in situ hybridization, or flow cytometry.

Features:

- Excitation at 655 nm
- Emission at 670 nm
- Color: Far Red

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SPECIFICATIONS

Color of Fluorescence	Far Red
Format	Concentrate
Formulation	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide.
Maximum Emission	670 nm
Maximum Excitation	655 nm
Unit Size	1 mg
Storage Instructions	2-8 °C
Usage Summary	Recommended concentration range for use5-30 µg/ml Avoid using RPMI 1640 or other biotin-containing solutions as diluents.Serum also can contain biotin and should not be added to diluents.
Applications	Immunofluorescence, In situ hybridization, Flow Cytometry/Cell Separation
Concentration	1.0 mg/ml active conjugate
Conjugate	DyLight 649

TECHNICAL INFORMATION

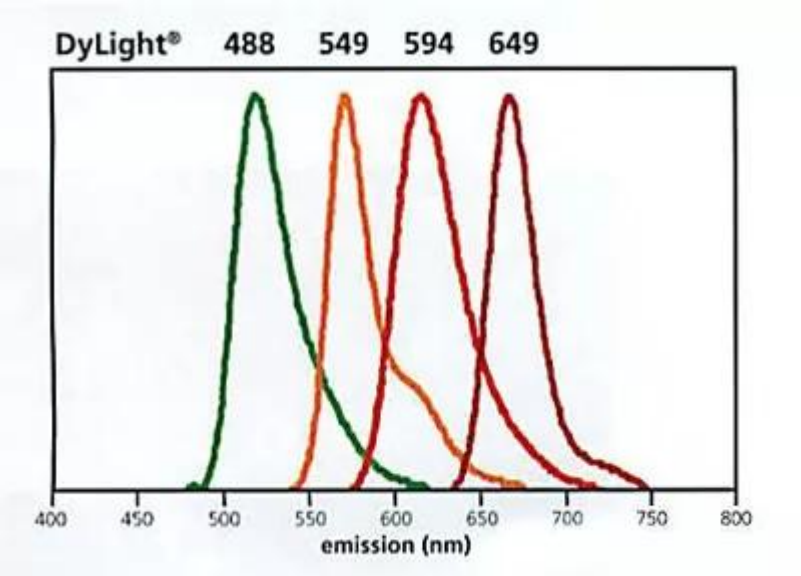
Amplification of fluorescent signals can be easily achieved with our biotinylated secondary antibodies followed by our highly purified fluorochrome-labeled streptavidin or avidin. Using a biotin/avidin or biotin/streptavidin detection system results in an additional layer of amplification over a directly conjugated secondary antibody.

DyLight™ dyes offer several advantages including greater photostability, pH independence, and brighter fluorescence. We offer DyLight™ conjugated streptavidin for use in a variety of applications, in particular, cell- and tissue-based immunofluorescent detection. The DyLight™ conjugates are completely stable from pH 4 to pH 9, making them compatible with many aqueous-based buffers and diluents.

*Additional information about the images can be found here.

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Conjugate	Excitation maximum (nm)	Emission maximum (nm)	Spectrally similar dyes
DyLight 488	493	518	FITC, Alexa Fluor 488, Cy2
DyLight 549	556	571	TRITC, Alexa Fluor 555, Cy3
DyLight 594	592	617	Alexa Fluor 594, Texas Red
DyLight 649	655	670	Alexa Fluor 647, Cy5

CITATIONS

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DOCUMENTS

- Safety Data Sheet
- Download CoA
- Datasheet

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