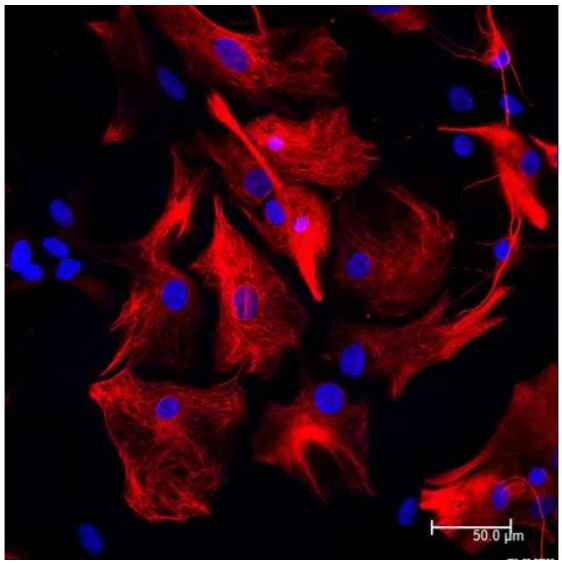
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Telephone: (650) 697-3600

STREPTAVIDIN, DYLIGHT™ 594

SKU: SA-5594-1



DESCRIPTION

Features:

• Can be used to detect biotinylated secondary antibodies and other macromolecules in applications such as immunofluorescence, *in situ* hybridization, or flow cytometry
• Highly purified and possess very low non-specific binding properties
• Extremely high affinity for biotin
• Advantages of DyLight dyes include greater photostability, pH independence, and brighter fluorescence
• Excitation at 592 nm
• Emission at 617 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	617 nm
Maximum Excitation	592 nm
Unit Size	1 mg
Storage Instructions	2-8 °C
Usage Summary	Recommended concentration range for use: 5-30 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 594

TECHNICAL INFORMATION

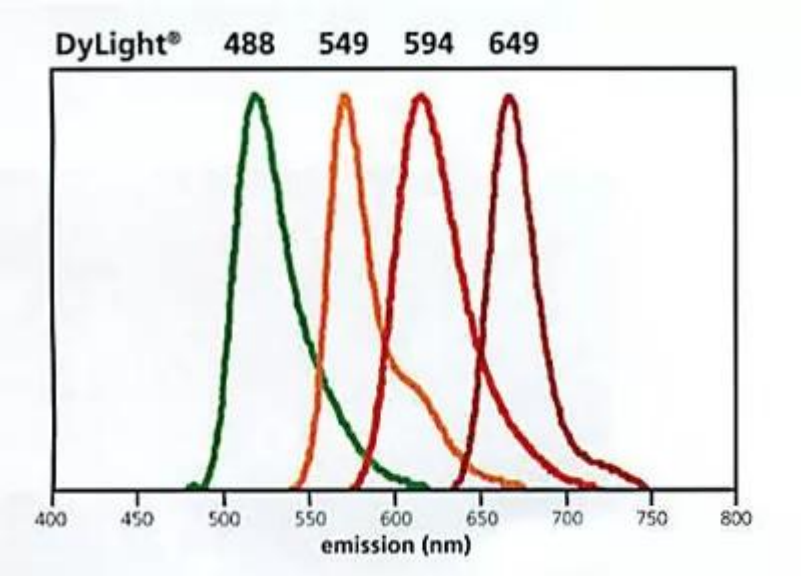
Vector Laboratories fluorochrome-conjugated streptavidin and avidin reagents are highly purified and possess very low non-specific binding properties. They have extremely high affinity for biotin. These fluorescent conjugates can be used to detect biotinylated secondary antibodies and other macromolecules in applications such as immunofluorescence, in situ hybridization, or flow cytometry.

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.

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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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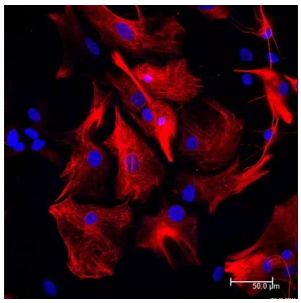
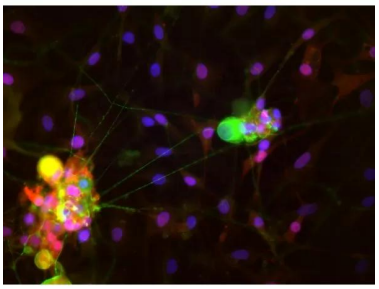
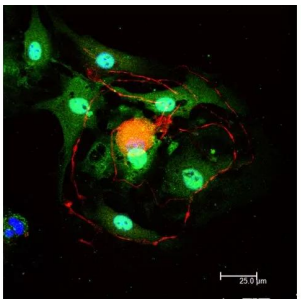
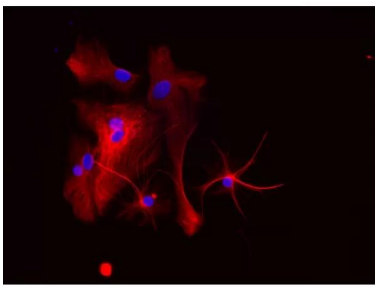
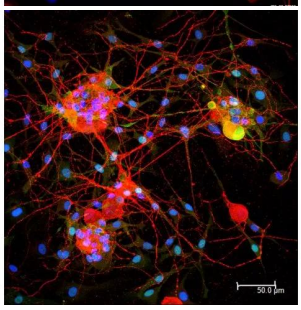
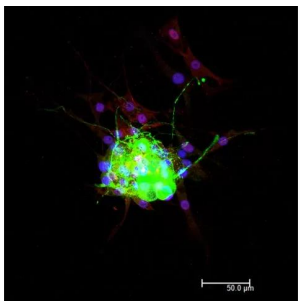
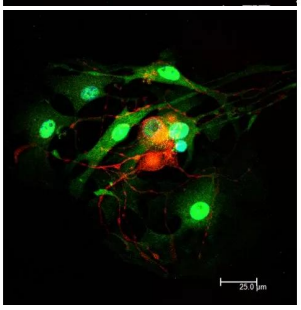
DOCUMENTS

- Safety Data Sheet
- Download CoA
- Datasheet

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