

mFluor™ Violet 540 Biotin Conjugate

Catalog number: 3114

Unit size: 1 mg

Product Details

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|--------------------|---|
| Storage Conditions | Freeze (<-15 °C), Minimize light exposure |
| Expiration Date | 12 months upon receiving |

Chemical Properties

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|------------------|---------|
| Appearance | Solid |
| Molecular Weight | 1504.80 |
| Soluble In | DMSO |

Spectral Properties

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| Excitation Wavelength | 402 nm |
| Emission Wavelength | 535 nm |

Applications

mFluor™ Violet 540 Biotin Conjugate contains mFluor™ Violet 540 fluorophore that is well excited by the common 405 nm violet laser. It has a similar spectrum to Pacific Orange and demonstrates excellent avidin binding and strong orange fluorescence. It has avidin-binding properties similar to native biotin in terms of high affinity, fast association, and non-cooperative binding to avidin and streptavidin tetramers. mFluor™ Violet 540 Biotin Conjugate can be used for detecting avidin, streptavidin or neutravidin conjugates. It is a water-soluble reagent and has pH independent fluorescence from pH 4 to pH 10. The flexible spacer between biotin moiety and fluorescent tag minimizes the steric hindrance involved in binding to avidin, streptavidin or neutravidin.