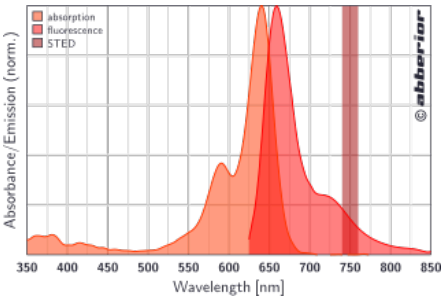
Abberior® STAR 635 Data Sheet

Product Page

Absorption & Fluorescence Spectrum



Download spectral data (CSV format)

Chemical Data

Structure:	*on request*
Formula:	*on request*
Molecular weight:	992 g/mol (NHS ester)
Solubility:	water, acetonitrile, methanol, DMSO, DMF
Polarity:	medium
Charge:	0 (NHS, conjugated)

Photophysical Data

Absorption Maximum:	λ_{max} = 634 nm (water), 639 nm (bound to an antibody)
Extinction Coefficient:	$\varepsilon(\lambda_{max})$ = 63,000 $M^{-1}cm^{-1}$ (water)
Correction Factors:	$CF_{260} = \varepsilon_{260} / \varepsilon_{max}$ = 0.26 (water)
	$CF_{280} = \varepsilon_{280} / \varepsilon_{max}$ = 0.46 (water)
Fluorescence Maximum:	λ_{fl} = 654 nm (water), 659 nm (bound to an antibody)
Recommended STED Wavelength:	λ_{STED} = 740 − 760 nm
Fluorescence Quantum Yield:	η = 0.83 (water)
Fluorescence Lifetime:	τ = 3.3 ns (PBS, pH 7.4)

Further Information

- Safety Data Sheet for Abberior STAR 635 (German, English)
- Safety Data Sheet for Abberior STAR 635 antibody conjugates (German, English)

This information is provided without liability and may be subject to change without prior notification.