Hans-Adolf-Krebs-Weg 6
37077 Göttingen, Germany
E-Mail: support@abberior.com
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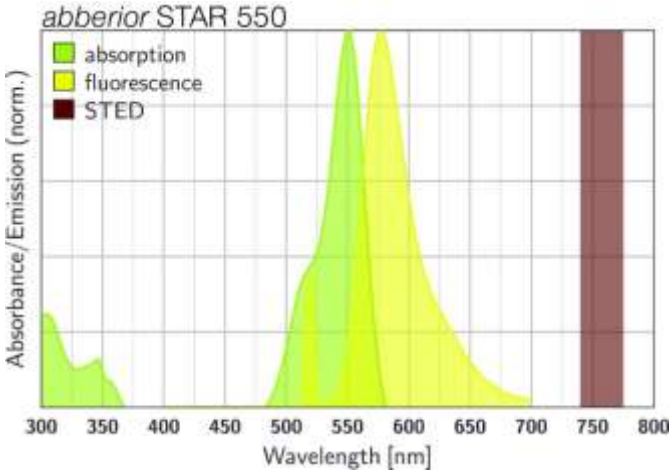
abberior STAR 550, goat anti-mouse IgG, 500 µl (1 mg/ml)

Item number

ST550-1001-500UG

Description

abberior STAR 550 was developed for STED and confocal microscopy in the green-orange spectral region. Characteristic features of this dye are its exceptional photostability and brightness. abberior STAR 550 can be very effectively excited effectively excited with a 561 nm laser. For STED microscopy, abberior STAR 550 can be used most efficiently with a STED laser wavelength between 650 – 775 nm. In combination with abberior STAR BLUE, abberior STAR ORANGE, and abberior STAR RED, abberior STAR 550 enables versatile 4-color imaging across a broad spectral range. Best results are obtained with freshly prepared samples.



Organic fluorescent dye conjugated with polyclonal secondary anti-mouse IgG antibody, host: goat, concentration 1 mg/ml.

Properties

Absorption	λ_{ex} [nm]	552
Extinction Coefficient	ε_{max} [$M^{-1}cm^{-1}$]	85000
Emission	λ_{em} [nm]	574
Quantum Efficiency	η_{fl} [%]	44
STED min.	$\lambda_{STED\ min}$ [nm]	650
STED max.	$\lambda_{STED\ max}$ [nm]	775
Fluorescence Lifetime	τ_{fl} [ns]	3.8
Correction Factor 260	CF_{260}	0.3
Correction Factor 280	CF_{280}	0.2
Charge	Δq	0
Derivative/Conjugate		anti-Mouse IgG

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Storage

These products contain a vial of buffered solution and is shipped at room temperature. Upon arrival, the product can be stored at 4 °C for up to one month. Please split the product into smaller aliquots and store these at -20 °C to -80 °C for long-term storage of up to one year. Protect the conjugate from direct light exposure and avoid repeated freeze-thaw cycles.