

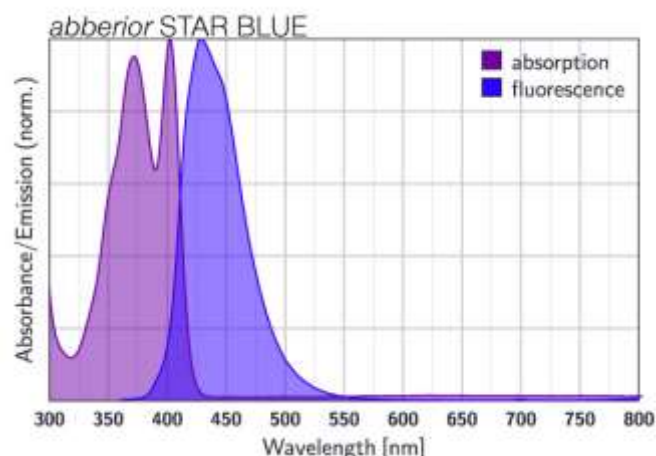
abberior STAR BLUE, goat anti-mouse IgG, 500 µl (1 mg/ml)

Item number

STBLUE-1001-500UG

Description

abberior STAR BLUE extends the abberior dye portfolio into the blue spectral range. It is designed for confocal microscopy and provides reliable performance with low background signal. abberior STAR BLUE can be excited with lasers in the 400–420 nm range and is a suitable replacement for dyes such as DyLight® 405. In combination with abberior STAR GREEN, abberior STAR ORANGE, and abberior STAR RED, abberior STAR BLUE 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]	401
Extinction Coefficient	ϵ_{max} [M ⁻¹ cm ⁻¹]	35000
Emission	λ_{em} [nm]	429
Quantum Efficiency	η_f [%]	93
Fluorescence Lifetime	τ_f [ns]	3.5
Correction Factor 260	CF ₂₆₀	0.3
Correction Factor 280	CF ₂₈₀	0.7
Charge	Δq	-3
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.