

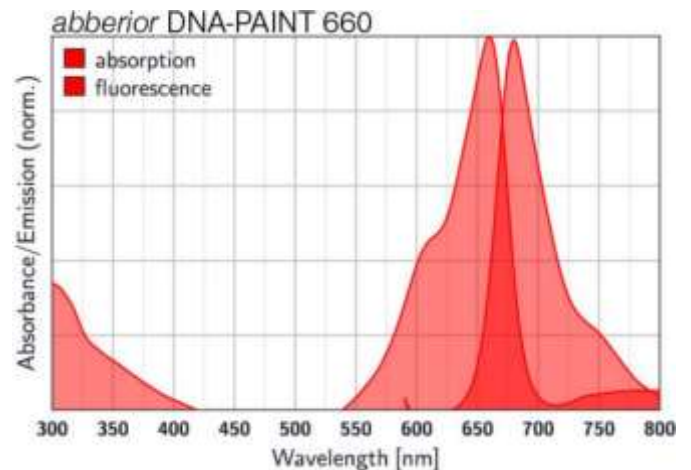
## abberior DNA-PAINT 660, MASSIVE anti-GFP MINFLUX Kit

### Item number

PAINT660-0060-1KIT

### Description

abberior DNA-PAINT 660 is specifically designed for DNA-PAINT MINFLUX microscopy in the red spectral range, delivering exceptional imaging quality. With outstanding brightness, photostability, and high water solubility, it ensures clear, background-free results. Easily excited at 630-670 nm, it is an ideal substitute for ATTO® 655 or Alexa Fluor® 660. For best results, we recommend using freshly prepared samples. Perfect for achieving high-resolution nanoscale imaging!



This ready-to-use kit includes a mixture of two clones of sdABs that bind the GFP of interest and its common derivatives. Up to two sdABs can bind one GFP, and each sdAB is coupled to one DNA-PAINT docking site, providing signal amplification of your target. The included imager strands are conjugated to abberior DNA-PAINT 660, ensuring exceptional performance in the red spectral range. Optimized for MINFLUX imaging, the kit has all the necessary buffers for immunostaining and DNA-PAINT imaging of GFP-tagged proteins, delivering unmatched accuracy in nanoscale measurements.

## Properties

Absorption	$\lambda_{\text{ex}}$ [nm]	660
Extinction Coefficient	$\epsilon_{\text{max}}$ [M <sup>-1</sup> cm <sup>-1</sup> ]	130000
Emission	$\lambda_{\text{em}}$ [nm]	680
Quantum Efficiency	$\eta_{\text{fl}}$ [%]	30
Fluorescence Lifetime	$\tau_{\text{fl}}$ [ns]	2
Correction Factor 260	CF <sub>260</sub>	0.55
Correction Factor 280	CF <sub>280</sub>	0.34
Molecular Weight	MW [g/mol]	2924
Charge	$\Delta q$	1
Derivative/Conjugate		DNA-PAINT Kit

*Photophysical properties were measured for carboxylic acid in PBS pH 7.4.*

## Storage

Upon arrival, the product can be stored at  $\leq 4$  °C. Protect the conjugate from direct light exposure and avoid repeated freeze-thaw cycles.