

AQUORA® 405-NHS ESTER

SKU: QBD-12005LF



AQuora® 405-NHS Ester is an amine-reactive fluorophore engineered with SuperHydrophilic™ technology designed to improve solubility during labeling and of the dye-labeled conjugate. As a result, the dye-labeled conjugates made with AQuora® 405-NHS Ester yield enhanced signal and signal-to-noise ratios in fluorescence-based applications including fluorescent western blotting, fluorescence-based microscopy, flow cytometry, and cell-based assays. AQuora® 405-NHS Ester is a pyrene-based dye with photophysical properties comparable to Alexa Fluor 405® and DyLight® 405. (Alexa Fluor® and DyLight® are trademarks of Thermo Fisher Scientific.) This AQuora® 405-NHS Ester dye is activated with an N-hydroxysuccinimide (NHS) ester group which reacts with free primary amines, such as the amines on the side chain of lysines, forming a stable amide bond.

Specifications

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| Unit Size | 1mg |
| Format | Lyophilized |
| Storage | Store at -20°C. Protect from light. May ship at ambient temperatures. |
| Country of Origin | United States of America |
| Label | AQuora® 405 |
| Excitation / Emission Maximum | 399 nm /422 nm |
| A280 Correction Factor | 0.700 |
| Reactive Group | NHS Ester |

For research use only. Not intended for animal or human therapeutic or diagnostic use.

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| Extinction Coefficient | 35,000 |
| Spectrally Similar Dyes | Alexa Fluor 405® and DyLight® 405 |
| Molecular Weight | 1280 |

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