Oyster® - 488

Fact Sheet
Revised: May 2009

Characteristic data

Molecular weight	M_r = ~ 1050 (carboxylic acid)
Extinction coefficient	ε = 85.000 cm^{-1} x M^{-1}

Excitation/Emission

	buffer (PBS)	conjugate
λ_{abs}	502 nm	504 nm
λ_{em}	523 nm	525 nm

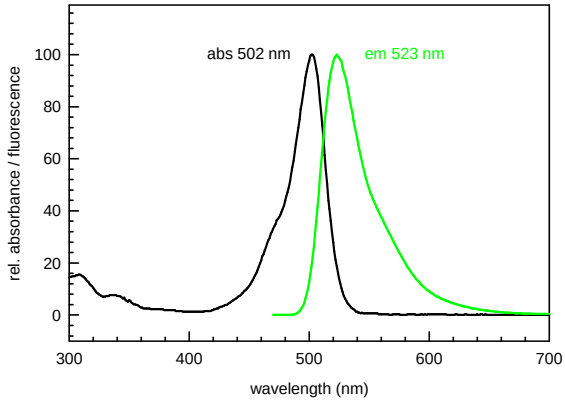
Comments

- Excellent water solubility and biocompatibility
- Superior substitute for Cy2®, Alexa Fluor® 488, Dylight® 488
- Suitable for fluorescence microscopy, flow cytometry, microarray applications, ELISA, FisH, Western blotting, etc.
- High photostability and quantum yield

Structure

Oyster® - 488 is a fluorescent dye based on rhodamines.
No isomers
Upon binding the dye is negatively charged

Spectra



spectra of the free dye taken in phosphate buffered saline (PBS), pH 7.4

The mono-functional dye is available as

Modification	Unit	Product Code
tetrafluorphenylester (TFP)	1 vial* (75 µg)	OY-488-T-1vi
	1 pack (5 x 75 µg)	OY-488-T-1pa
	1 mg	OY-488-T-1mg
	5 mg	OY-488-T-5mg
maleimide terminated	1 mg	OY-488-M-1mg
conjugated to Streptavidin	1 mg	OY-488-SAV-1mg

* contains a sufficient amount of dye to label up to 1 mg protein or 20 nmol amino containing material.

Luminartis GmbH Heisenbergstr. 11 48149 Muenster Germany
Phone +49 (0)251 534 06 210 Fax +49 (0)251 534 06 211 www.luminartis.com