

Oyster[®] - 488

Fact Sheet
Revised: May 2009



Characteristic data

Molecular weight $M_r = \sim 1050$ (carboxylic acid)
Extinction coefficient $\epsilon = 85.000 \text{ cm}^{-1} \times \text{M}^{-1}$

Excitation/Emission

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

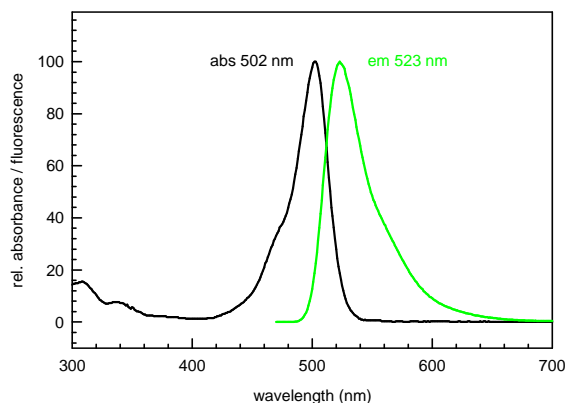
Structure

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

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

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
tetrafluorophenylester (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.

Several of Luminartis products and product applications are covered by German and foreign patents and patents pending. All names containing the designation [®] are registered with the German Patent and Trademark Office.

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For further information please contact us or visit our website.

Cy2[®] is a trademark of GE Healthcare, Alexa Fluor[®] is a trademark of Molecular Probes Inc., Dylight[®] is a trademark of Pierce Biotechnology Inc.

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