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Bovine Serum Albumin (BSA), AF 488 conjugate

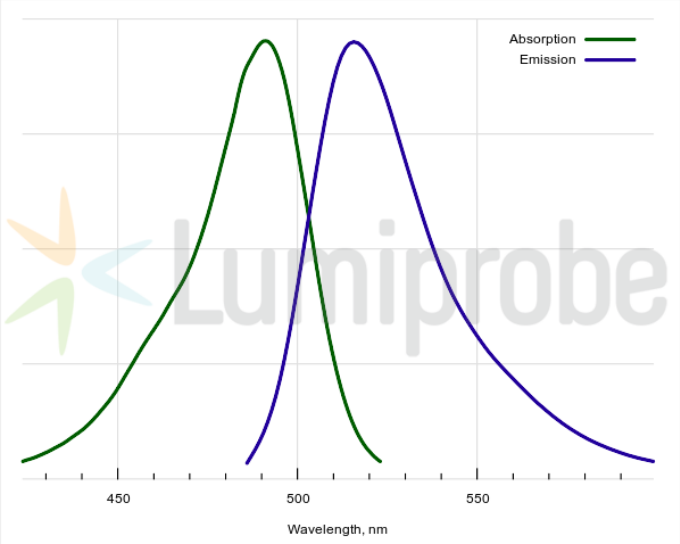
http://hk.lumiprobe.com/p/af488-bsa

This product is a ready-to-use fluorescent conjugate of bovine serum albumin (BSA) with the bright and photostable green dye AF 488, employed for a wide range of applications in biology: tracking endocytosis and intracellular transport, studying the integrity, and permeability of cellular barriers, cerebrospinal fluid (CSF) flow and glymphatic system function, as well as validation of drug delivery systems, among others.

Thanks to a precisely defined dye-to-protein ratio (DOL), BSA AF 488 conjugate serves as a reference standard for calibrating fluorescence intensity and quantitative analysis in microscopy and other fluorescence-based methods.

AF 488 features a high quantum yield and significantly outperforms previous-generation dyes (e.g., FITC) in photostability, making it ideal for microscopy, especially during long-term live-cell observations. The fluorescence of AF 488 is stable across a broad pH range (from 4 to 10). Thus, the signal remains unchanged under fluctuations in acidity within cellular compartments (e.g., in endosomes or lysosomes). The dye's spectral characteristics perfectly match the standard green channel (FITC/GFP) of most fluorescence microscopes and flow cytometers.

The conjugate is supplied as a lyophilized powder that can be easily reconstituted in aqueous buffer solutions. The product requires no purification, saving time on sample preparation.



外观:	
溶解度:	水
质量控制:	分光光度法
储存条件:	收到後 -20°C 避光保存 24 個月。運輸：室溫最多可保存3週。乾燥。
法律声明:	本產品僅供研究目的提供和銷售。本產品並未經過食品、藥品、醫療器械、化妝品等領域的安全性和效力測試，且未經明示或暗示授權用於其他任何用途，包括但不限於體外診斷、人類或動物用途，以及商業用途。

激发/吸收极大值，纳米:	495
ε, 摩尔吸光系数，cm^{-1}:	71800
发射极大值，纳米:	519
荧光量子产率:	0.91
CF_{260}:	0.16
CF_{280}:	0.10