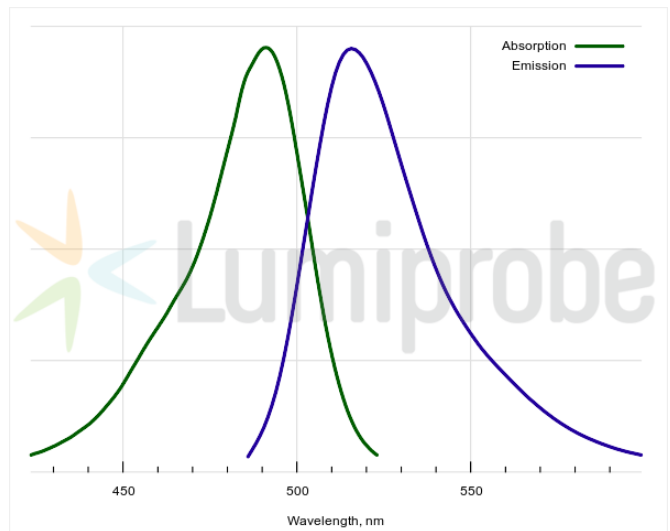
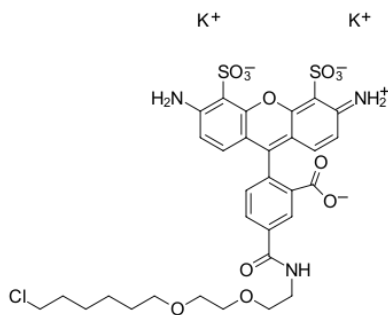


AF 488 HTag ligand

<http://hk.lumiprobe.com/p/af-488-halotag-5>

AF 488 HTag is a highly specific fluorescent ligand designed for the covalent and irreversible labeling of HaloTag® fusion proteins in live cells, cell lysates, and fixed samples.

The HaloTag® system is based on a genetically engineered bacterial haloalkane dehalogenase that forms a covalent bond with synthetic chloroalkane ligands, making it specific and rapid. AF 488 HTag conjugate contains a chloroalkane anchor linked to a bright AF 488 fluorophore. When added to cells or samples expressing a HaloTag® fusion protein, the substrate permeates the membrane and permanently binds to the target protein. The complete absence of cross-reactivity with endogenous mammalian proteins guarantees an exceptional signal-to-noise ratio.



外观:

分子量: 816.39

分子式: C₃₁H₃₂ClK₂N₅O₁₂S₂

溶解度: 二甲基亞砜、水

质量控制: NMR ¹H 和 HPLC-MS (95+%)

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。避免長時間暴露在光線下。

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

CF₂₆₀: 0.16

CF₂₈₀: 0.10

HaloTag® 是 Promega Corporation 的註冊商標。