

mCLING

A fixable membrane probe for high resolution microscopy

General Information

The **m**embrane-binding fluorophore-**c**ysteine-**l**ysine-palmitoyl **g**roup (**mCLING**) is a new probe that selectively binds to the plasma membrane. It is taken up during endocytosis and, in contrast to conventional membrane dyes, remains attached to membranes after fixation and permeabilization and can therefore be combined with immunostaining and super-resolution microscopy. mCLING was used so far in mammalian-cultured cells, yeast, bacteria, primary cultured neurons, *Drosophila melanogaster* larval neuromuscular junctions, and mammalian tissue.

Fact Sheet Cat. No.710 006AT1, -AT3, -DY1

Cat. No. 710 006AT1	5nmol mCLING labeled with ATTO[®] 647N in 100 µl PBS (lyophilized). For reconstitution add 100 µl H ₂ O, then aliquot and store at -80°C until use. <i>Reconstitute immediately upon receipt! Avoid bright light when working with the probe to minimize photo bleaching of the fluorescent dye.</i>
Cat. No. 710 006AT3	5nmol mCLING labeled with ATTO[®] 488 in 100 µl PBS (lyophilized). For reconstitution add 100 µl H ₂ O, then aliquot and store at -80°C until use. <i>Reconstitute immediately upon receipt! Avoid bright light when working with the probe to minimize photo bleaching of the fluorescent dye.</i>
Cat. No. 710 006DY1	5nmol mCLING labeled with DY[®] 654 in 100 µl PBS (lyophilized). For reconstitution add 100 µl H ₂ O, then aliquot and store at -80°C until use. <i>Reconstitute immediately upon receipt! Avoid bright light when working with the probe to minimize photo bleaching of the fluorescent dye.</i>
Applications	ICC: 1 : 75 up to 1 : 250 (0.2 - 0.7 nmol/ml) IHC: 1 : 25 up to 1 : 50 (1 - 2 nmol/ml)