

Click-iT® Lipid Peroxidation Detection with LAA

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Detailed protocol is available online at www.lifetechnologies.com/manuals.**WARNING!** For every chemical, read the Safety Data Sheets (SDSs) and follow the handling instructions.Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from www.lifetechnologies.com/support.

Chemical	CAS	Warning
DMSO	67-68-5	Components of product may be absorbed into body through skin.
Cumene hydroperoxide	80-15-9	Toxic in contact with skin. Fatal if inhaled. Combustible liquid.

Quick Protocol

1. Add Click-iT® LAA (linoleamide alkyne) and compound of interest to cells and incubate for the desired time.
2. Wash cells 3X with PBS.
3. Fix and permeabilize cells, and then block with 1% BSA.

For research use only. Not for human or animal therapeutic or diagnostic use.

4. Prepare Click-iT[®] reaction cocktail (see table below), add 0.5 mL/coverslip or 125 μ L/well, and incubate for 30 minutes at room temperature, protected from light.

Reagent*	10 coverslips	96-well plate
1X Click-iT [®] Reaction Buffer	4.3 mL	10.3 mL
Copper (II) Sulfate (CuSO ₄)	200 μ L	480 μ L
Alexa Fluor [®] 488 Azide	12.5 μ L	30 μ L
1X Click-iT [®] Buffer Additive	500 μ L	1.2 mL

*Add reagents in the order shown. Scale volumes proportionately for more or less coverslips or plates.

5. Wash cells 2X with 1% BSA, 2X with PBS.
6. *Optional*: Perform DNA staining.
7. Image and analyze cells.

Limited Product Warranty

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