

Autophagy Assay Kit

Autophagy Assay, Red Detection Kit

CATALOG #
AAA50324

APPLICATIONS
Flow Cytometry, Functional Assay

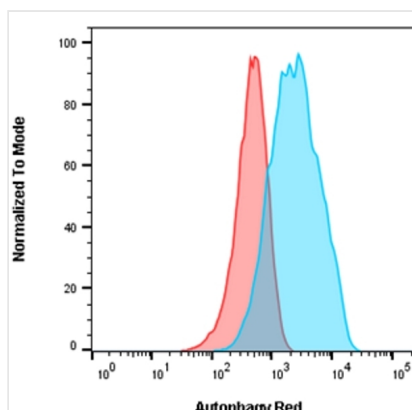
PRODUCT SYNONYMS

Autophagy Assay; Red Detection Kit; Autophagy Assay Kit; Red; Autophagy Assay assay kit

PRODUCT SPECIFICATIONS

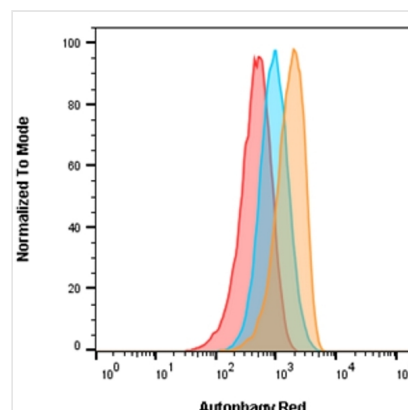
Applicable Applications for Autophagy Assay assay kit	FCM/FACS (Flow Cytometry)
Preparation and Storage	Store the unopened kit (and each unopened component) according to the storage instructions on each component label. Store the Autophagy Probe, Red at -20 degree C. Once reconstituted in DMSO, the Autophagy Probe, Red stock should be stored at -20 degree C for 6 months, protected from light. Avoid repeated freezing and thawing.

IMAGES



Application Data

Autophagy induction in Jurkats measured by flow cytometry using Autophagy Probe, Red. Jurkat cells were either untreated for basal conditions (red) or incubated in HBSS for 2 hours and 10 nM Bafilomycin A for 2 hours (blue) to induce autophagy. After staining with Autophagy Probe Red for 30 minutes, cells were washed and analyzed on the ZE5 Cell Analyzer using the 561 nm laser and 640/20 filter.



Application Data

Autophagy induction in Jurkats measured by flow cytometry using Autophagy Probe, Red. Jurkat cells were either untreated for basal conditions (red), treated with 0.5 μM Rapamycin for 18 hours (blue), or treated with 0.5 μM Rapamycin for 18 hours and 10 nM Bafilomycin A for 2 hours (orange) to induce autophagy. After staining with Autophagy Probe, Red for 30 minutes, cells were washed and analyzed on the ZE5 Cell Analyzer using the 561 nm laser and 640/20 filter.

ADDITIONAL INFORMATION

Related Product Information for Autophagy Assay assay kit

Principle of the Assay: Autophagy Probe, Red is a cell-permeant aliphatic molecule that fluoresces brightly when inserted in the lipid membranes of autophagosomes and autolysosomes. Autophagy Probe, Red can be readily detected by flow cytometry with optimal excitation at 590 nm and peak emission at 620 nm (ZE5 Cell Analyzer settings, 561 nm laser and 615/24 or 640/20 filter).

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.