



FACILE E CONVENIENTE ACCESSO AI VERI PRODUTTORI:  
CHIEDICI SUBITO UN'OFFERTA



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Rapide soluzioni per la Ricerca Avanzata™

# CELL STRESS

## FERROPTOSIS – PANoptosis

### Lysosomal Storage

#### Oxidative Damage and Reactive Species

Understanding the complexities of redox signaling control and subsequent molecular damage to lipid proteins, DNA, etc. requires technical approaches that offer precision and accuracy. From tools that directly measure reactive oxygen species (ROS) and reactive nitrogen species (RNS) to methods that identify damage to lipids, proteins, and nucleic acids, Cayman Chemical offers a broad range of research products to help better understand this complicated regulatory pathway.

Assays and reagents to detect oxidation of lipids, proteins, and nucleic acids  
Assays and reagents to detect nitrosylation, S-nitrosylation, or nitrotyrosine  
Assays to measure antioxidant activity and to detect ROS/RNS  
Antioxidants, free radical generators, lipid traps, and DNA dyes  
Active, pure enzymes, validated antibodies, and assays for cellular redox systems  
Hydrogen sulfide donors and probes for study of cellular ROS  
Contact bioassay services are available

**LOOK UP TO LEARN MORE**

- Page 1 Lipid Peroxidation and Nitration
- Page 2 Protein Oxidation and Nitration
- Page 3 DNA/RNA Damage
- Page 4 Antioxidant Detection/Activity
- Page 5 ROS
- Page 6 RNS
- Page 7 ROS

#### PANoptosis - Inflammatory Cell Death

AdipoGen LIFE SCIENCES

Most trusted, validated & cited antibodies for inflammatory research

Visit our [Inflammation Landing Page](#) and our [Research Catalog](#)

#### Ferroptosis Pathway Guide

Cayman

Identify Novel Inducers of Ferroptosis

GPX4 Inhibitor Screening Assay Kit  
Item No. 1000550

Includes recombinant human GPX4 and positive control GPX4 inhibitor FeCl<sub>2</sub>. Assay 45 samples in duplicate or 90 samples in triplicate. Plate based colorimetric measurement (OD) and

FP1 Fluorescent Inhibitor Screening Assay Kit  
Item No. 1000552

Includes recombinant human GPX4 and positive control GPX4 inhibitor FeCl<sub>2</sub>. Assay 45 samples in duplicate or 90 samples in triplicate. Plate based fluorescence measurement (FOD) and

Visit our [Ferroptosis Landing Page](#) and our [Research Catalog](#)

#### Lysosomal Storage Disorders

Cayman

Determination of Lysosomal Acid Lipase Deficiency

Lysosomal Acid Lipase Activity MacSpin® Assay Kit - Item No. 21852

MacSpin assay reagent kit for the quantitative detection and assay of lysosomal acid lipase activity. Designed for use in LC-MS based on fluorescent substrates.

Includes necessary substrate, product, and internal standard with associated assay components.

Visit our [Lysosomal Storage Disorders Landing Page](#) and our [Research Catalog](#)

#### Oxidative stress

HycultBiotech

Integrating cellular connectivity to the world

#### Inflammasome Research

AdipoGen LIFE SCIENCES

THE EXPERT IN Inflammasome Research From Innate to Adaptive Immunity

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