CREATIVE BIOMART®
Assay Kit

Ascorbate Peroxidase (APX) Activity Assay Kit

Product Information

Product Overview

Significance: APX (EC 1.11.1.11) is an important antioxidant enzyme in plants for ROS scavenging and ascorbate metabolism. Isoenzymes are located in chloroplasts, cytoplasm, mitochondria, peroxisomes, glyoxysomes, thylakoid, and peroxisomal membranes. APX catalyzes H₂O₂ oxidation of AsA, directly affecting AsA levels. Under stress and recovery conditions, APX activity negatively correlates with AsA content.
Principle: APX activity is calculated by measuring the rate of AsA oxidation catalyzed by H₂O₂.

Size

50t/48s

Storage

Store at 2–8 °C. Shelf life: 6 months.

Detection method Spectrophotometer

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