

Ascorbate Peroxidase (APX) Activity Assay Kit

Cat No: HR3BC1160

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8°
Instrument	Spectrophotometer(290 nm)
Assay Time	60 min
Validity	6
Assay Type	Enzyme Activity
Sample Type	Plant tissue
Synonyms	APX
Instrument	Spectrophotometer(290 nm)
Detection Principle	Ascorbate Peroxidase (APX) can catalyze the reaction between ascorbic acid (ASA) and hydrogen peroxide (H ₂ O ₂), and ASA can be oxidized to monodehydroascorbic acid (MDASA). The absorbance of solution at 290 nm will decline as the oxidation of ASA. The APX activity can be calculated by detecting the decrease of A ₂₉₀ .
Reagents	Normal saline (0.9% NaCl), PBS (0.01 M, pH 7.4)
Labware	Vortex mixer, Micropipettor, Water bath, Incubator, Centrifuge
Size	100Assays
Sensitivity	0.071 U/g tissue
Detection Range	0.071-47 U/g tissue
Recovery Rate	96