CREATIVE BIOMART®
Assay Kit

Ascorbic Acid Colorimetric/Fluorometric Assay Kit

Product Information

Cat

Kit-1080

Cat.No. Kit-1080

Description

Ascorbic Acid (Vitamin C) plays an important role in many biological processes. It is a potent anti-oxidant, anti-inflammatory, anti-viral agent, and an immune stimulant and is present is a wide variety of foods and biological specimens. It is important to be able to monitor ascorbic acid content in these different samples. Ascorbic Acid Assay Kit provides a rapid, simple, and sensitive means of detecting ascorbic acid in various biological samples. In this assay, our proprietary catalyst oxidizes ascorbic acid to produce a product that interacts with the ascorbic acid probe, generating color and fluorescence. Ascorbic acid can be easily determined by either colorimetric (spectrophotometry at λ = 570 nm) or fluorometric (Ex/Em = 535/587 nm) methods. The assay can detect 0.01-10 nmol of ascorbic acid per assay in various samples.

Applications

The assay can detect 0.01-10 nmol of ascorbic acid per assay in various samples.

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

Ascorbic Acid Assay Buffer; Ascorbic Acid Probe (in DMSO); Catalyst; Ascorbic Acid Enzyme Mix (lyophilized); Ascorbic Acid Standard (20 μmole)

Target Species

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

CREATIVE BIOMART®
Assay Kit

Ascorbic Acid Colorimetric/Fluorometric Assay Kit

Mammalian

Detection method Absorbance (570 nm) or Fluorescence (Ex/Em 535/587 nm)

Features & Benefits

Simple procedure; takes ~ 5 minutes for the reaction to complete;
Fast and convenient

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